

Plasmavision™  
PDS4201U/E/A-H  
PDS4203W/E-H  
PDS4204W/E-H

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# **SERVICE MANUAL**

FUJITSU GENERAL Proprietary

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FUJITSU GENERAL LIMITED

# IMPORTANT INFORMATION

**WARNING : TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.**

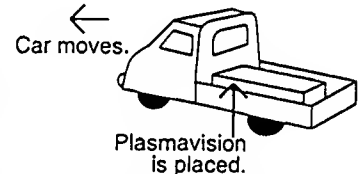
Please use screen saver to prevent after-image of screen.

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. But **IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD.** In order not to defeat the safeguards incorporated into this product, observe the following basic rules for its installation, use and service. Please read these "Important Safeguards" carefully before use.

- All the safety and operating instructions should be read before the product is operated.
- The safety and operating instructions should be retained for future reference.
- All warnings on the product and in the operating instructions should be adhered to.
- All operating instructions should be followed.
- Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- Do not use attachments not recommended by the product manufacturer as they may be hazardous.
- Do not use this product near water. Do not use immediately after moving from a low temperature to high temperature, as this causes condensation, which may result in fire, electric shock, or other hazards.
- Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. The product should be mounted according to the manufacturer's instructions, and should use a mount recommended by the manufacturer.

- When the product is used on a cart, care should be taken to avoid quick stops, excessive force, and uneven surfaces which may cause the product and cart to overturn, damaging equipment or causing possible injury to the operator.

When carried by car, the unit should be placed as shown in the figure.



- Slots and openings in the cabinet are provided for ventilation. These ensure reliable operation of the product and protect it from overheating. These openings must not be blocked or covered. (The openings should never be blocked by placing the product on bed, sofa, rug, or similar surface. It should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer's instructions have been adhered to.) For proper ventilation, separate the product from other equipment, which may prevent ventilation and keep distance more than 10cm.
- This product should be operated only with the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
- This product is equipped with a three-wire plug. This plug will fit only into a grounded power outlet. If you are unable to insert the plug into the outlet, contact your electrician to install the proper outlet. If you are unable to insert the plug into the outlet, contact your electrician to install the proper outlet. Do not defeat the safety purpose of the grounded plug.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at doors, plugs, receptacles, and the point where they exit from the product.
- For added protection of this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the product due to lightning and power line surges.
- Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.
- Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

# SPECIFICATIONS

|  |  |  |                                      |
|--|--|--|--------------------------------------|
| Power Source   | 100-240V, 50/60Hz                      | Package Dimensions   | Width : 115.4cm(46.7inch)            |
| Consumption  | 3.5 A                                  |  | Height: 74.0cm (29.1inch)            |
|  |  |  | Depth : 41.5cm (16.3inch)            |
| Display Panel  |  | Gross Weight   | PDS4201: 39.5Kg (87.0lbs.)           |
| Screen size  | 92.0(W)x51.8(H) [cm]                   |  | PDS4203: 38.5Kg(83.7lbs.)            |
|  | 36.2(W)x20.4(H) [inch]                 |  | PDS4204: 39.5Kg (87.0lbs.)           |
| Aspect ratio   | 16 : 9                                 | Environment(Operating)   |                                      |
| Number of pixels   | 852(H) x 480(V) pixels                 | Temperature  | 0 to 40 °C                           |
| Pixel pitch  | 1.08mm x 1.08mm                        | Relative humidity  | 20 TO 90%                            |
| Luminance  | —More than 200cd/m <sup>2</sup> (typ.) | Pressure   | 800 to 1,114 hPa                     |
| Contrast ratio   | 4201 : 53 : 1 (typ.)                   |  |                                      |
|  | 4203/4: 250 : 1 (typ.)                 | Accessories  | User's Manual                        |
| Viewing angle  | Max. 160 degrees                       |  | Remote controller                    |
| Input Terminals  |  |  | Dry batteries(Type AA 2pcs.)         |
| Video input  | BNC connector                          |  | Power cord PDS4203W/4W ×3            |
|  | 1.0V <sub>P-P</sub> /75Ω               |  | PDS4203E/4E ×1                       |
| S video input  | S terminal                             |  | Cable clamp (2pcs.)                  |
|  | Y signal:1.0V <sub>P-P</sub> /75Ω      |  | Bracket(2types)                      |
|  | C signal:0.286V <sub>P-P</sub> /75Ω    |  | Screw(2types)                        |
| <div> <div>PSD4203/4</div> <div>Component video input</div> <div>Three BNC terminal</div> <div>Y : 1V<sub>P-P</sub>/75Ω</div> <div>P<sub>b</sub>/B-Y: 0.7V<sub>P-P</sub>/75Ω</div> <div>P<sub>b</sub>/R-Y: 0.7V<sub>P-P</sub>/75Ω</div> </div> |  | <div> <div>PDS4204</div> <div>Floppy disk for installing pc card (3pcs)</div> <div>Operating guide</div> </div>  |                                      |
| Analog RGB input   | mD-sub:15pin(3 row type)               | Option   |                                      |
|  | Video 0.7V <sub>P-P</sub> /75Ω         | Desktop stand  | P-42TT01-H                           |
|  | SYNC signal:TTL level                  |  |                                      |
|  | or 0.3V <sub>P-P</sub> /75Ω            | Wall mounting unit (Horizontal)  |                                      |
| User set mode  | 4201 : 5 memories                      |  | For 0° installation angle            |
|  | 4203/4: 7 memories                     |  | P-42WB01-B                           |
| Display frequency  | horizontal                             |  | For 5° installation angle            |
|  | 4201 : 15.63~37.90 KHz                 |  | P-42WB02-B                           |
|  | 4203/4: 15.63~60.00 KHz                |  | For 10° installation angle           |
|  | Vertical: 50.0~75.0 Hz                 |  | P-42WB03-B                           |
|  | Dot clock: 36.0 MHz Max                |  | For 15° installation angle           |
| Audio input  | Two pin terminals(one system)          |  | P-42WB04-B                           |
|  | 500mVrms/22kΩ                          | Wall mounting unit(Vertical)   |                                      |
| RS-232C  | D-sub 9pin terminal                    |  | For 0° installation angle            |
| Color system   | 4201 : NTSC/PAL/SECAM/4.43NTSC         |  | P-42WB50-B                           |
|  | 4203/4: NTSC/PAL/SECAM/N-PAL           | Ceiling mounting unit  |                                      |
|  | /M-PAL/4.43NTSC                        |  | (installation angle variable 0~15° ) |
| Display colors   | 16.7million(256 each for R.G.B)        |  | P-42CT01-B                           |
| Audio Output power   | 2W+2W(R/L)                             | Graphic board  | P-42GA04                             |
| Speaker  | Internal speakers                      | <div> <div>The wide output graphics board "P-42GA04"</div> <div>for 42 inch PDP is needed to output 852×480 square pixel wide images from a PC.</div> </div> |                                      |
| Dimensions   | Width : 103.5cm(46.7inch)              |  |                                      |
|  | Height: 64.0cm (25.2inch)              |  |                                      |
|  | Depth : 15.0cm ( 5.9inch)              |  |                                      |

## Analog RGB input mode

Model : PDS4201U/E/A

| Mode number | Display dots×lines | Horizontal frequency | Vertical frequency | Supported signal                   |
|-------------|--------------------|----------------------|--------------------|------------------------------------|
| 1           | 852 × 480          | 31.722 kHz           | 59.966 Hz          | When dedicated graphics board used |
| 2           | 640 × 480          | 31.469 kHz           | 59.940 Hz          | VGA                                |
| 3           | 640 × 480          | 37.861 kHz           | 72.809 Hz          | VGA 72Hz                           |
| 4           | 640 × 480          | 37.500 kHz           | 75.000 Hz          | VGA 75Hz                           |
| 5           | 720 × 400          | 31.468 kHz           | 70.09 Hz           | VGA 400 lines                      |
| 6           | 640 × 480          | 35.00 kHz            | 66.67 Hz           | MAC 13RGB (1)                      |
|             | 640 × 480          | 34.975 kHz           | 66.62 Hz           | MAC 13RGB (2)                      |
| 7           | 640 × 240          | 15.73 kHz            | 60.06 Hz           | 15 kHz                             |
| 8           | 640 × 400          | 24.83 kHz            | 56.40 Hz           | 24 kHz                             |
| 9           | 640 × 400          | 31.50 kHz            | 70.15 Hz           | 31 kHz                             |
| 10~16       |                    | 15.7 to 37.90 kHz    | 50.00 to 75.00 Hz  | User settings                      |

Model : PDS4203W/E, PDS4204W/E

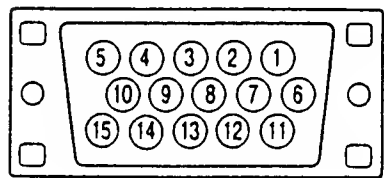
| Mode number | Display (dots × lines) | Horizontal frequency (kHz) | Vertical frequency (Hz) | Supported signal                          |
|-------------|------------------------|----------------------------|-------------------------|---|
| 1           | 852 × 480              | 31.72                      | 59.97                   | -Note1 When dedicated graphics board used |
| 2           | 640 × 480              | 31.47                      | 59.94                   | VGA                                       |
| 3           | 640 × 480              | 37.86                      | 72.81                   | VGA 72 Hz                                 |
| 4           | 640 × 480              | 37.50                      | 75.00                   | VGA 75 Hz                                 |
| 5           | 720 × 400              | 31.47                      | 70.09                   | VGA 400 lines                             |
| 6           | 640 × 480              | 34.97                      | 66.61                   | MAC 13RGB (1)                             |
|             | 640 × 480              | 35.00                      | 66.67                   | MAC 13RGB (2)                             |
| 7           | 640 × 400              | 24.83                      | 56.42                   | PC98 24kHz                                |
| 8           | 640 × 400              | 31.50                      | 70.15                   | PC98 31kHz                                |
| 9           | 800 × 600              | 35.16                      | 56.25                   | SVGA 56 Hz Note2                          |
| 10          | 640 × 480              | 15.73                      | 59.94                   | 60 fields                                 |
| 11          | 640 × 480              | 15.63                      | 50.00                   | 50 fields                                 |
| 12          |                        | 15.63 to 60.00             | 50.00 to 75.00          | User settings                             |
| 13          |                        |                            |                         |   |
| 14          |                        |                            |                         |   |
| 15          |                        |                            |                         |   |
| 16          |                        |                            |                         |   |

Note 1: The dedicated graphics board is an optional product.

2: The 800 x 600 mode is compressed display through compression interpolation. Also, the screen display is also compressed for display.

RGB input terminal (Display is RGB INPUT.)

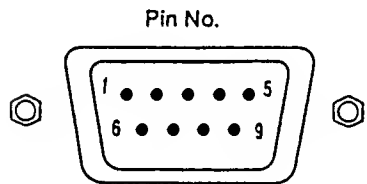
Connects to a personal computer RGB output terminal.



| Pin connection | Input signal | Pin connection | Input signal |
|----------------|--------------|----------------|--------------|
| 1              | Red          | 9              |              |
| 2              | Green        | 10             | Ground       |
| 3              | Blue         | 11             |              |
| 4              |              | 12             |              |
| 5              | Ground       | 13             | Horiz. sync  |
| 6              | Ground       | 14             | Vert. sync   |
| 7              | Ground       | 15             |              |
| 8              | Ground       | Outer side     | Ground       |

RS-232C input terminal (Display is RS-232C.)

Connects to a personal computer RS-232C terminal.



| Pin No. | No. Signal               | Pin No. | No. Signal           |
|---------|--------------------------|---------|----------------------|
| 1       | DCD(Data Carrier Detect) | 6       | DSR(Data Set Ready)  |
| 2       | RD(Receive Data)         | 7       | RTS(Request To Send) |
| 3       | TD(Transmit Data)        | 8       | CTS(Clear To Send)   |
| 4       | DTR(Data Terminal Ready) | 9       | RI(Ring Indication)  |
| 5       | GND(Ground)              |         |                      |

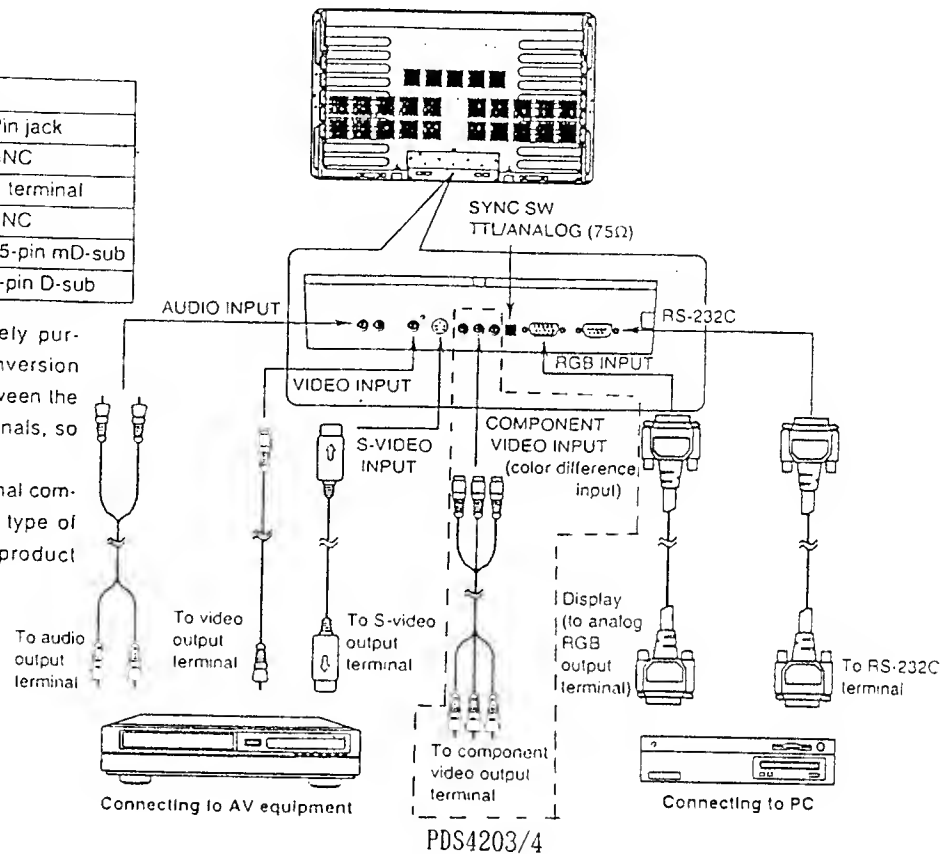
# CONNECTION AND DIMENSIONS

## 1. CONNECTING TO EXTERNAL EQUIPMENT

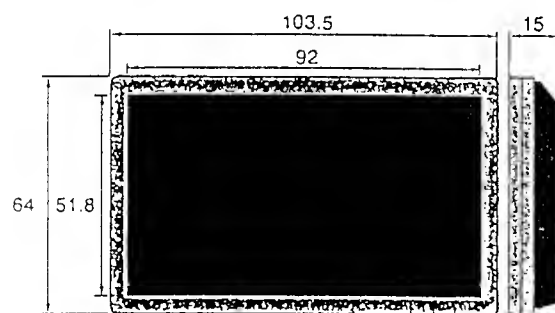
Cables for connecting external equipment must be purchased separately.

| Connectors            |               |
|-----------------------|---------------|
| AUDIO INPUT           | Pin jack      |
| VIDEO INPUT           | BNC           |
| S-VIDEO INPUT         | S terminal    |
| COMPONENT VIDEO INPUT | BNC           |
| RGB INPUT             | 15-pin mD-sub |
| RS-232C               | 9-pin D-sub   |

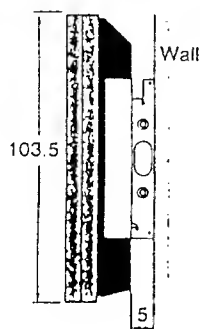
- When connecting separately purchased BNC terminals, conversion connectors are required between the pin jacks and the BNC terminals, so purchase these also.
- Cables connecting the personal computer vary according to the type of machine, so consult your product dealer.



## 2. DIMENSIONAL OUTLINE DRAWING

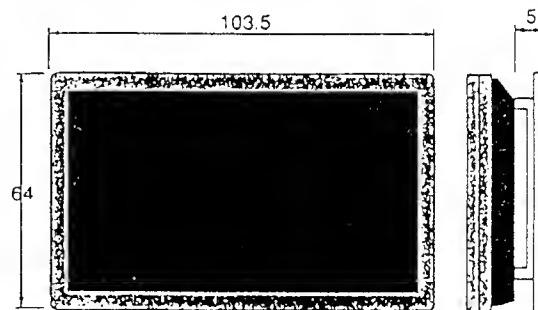


Wall mounting (vertical usage)

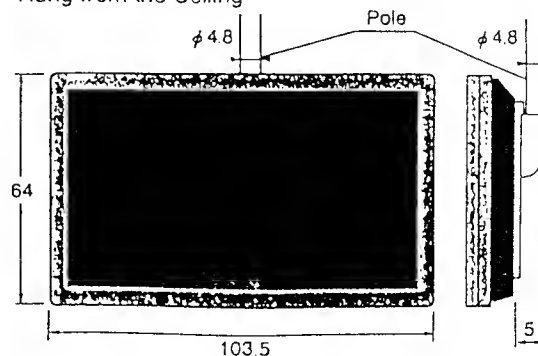


Wall mounting (horizontal usage)

Unit : cm



Hung from the Ceiling

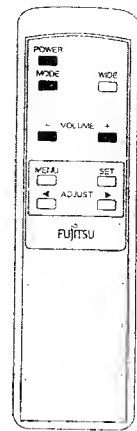
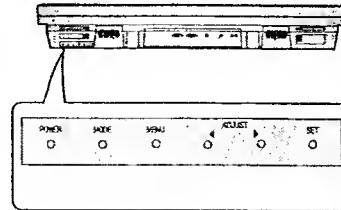


# OPERATION AND ADJUSTMENT

Operation and adjustment button.

PDS4201 Series

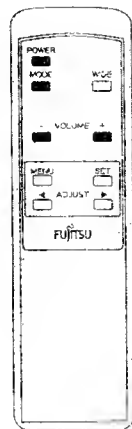
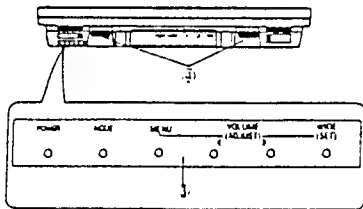
bottom view



Remote controller

PDS4203 Series

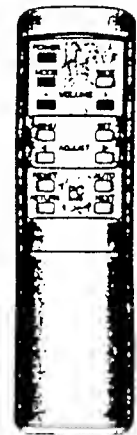
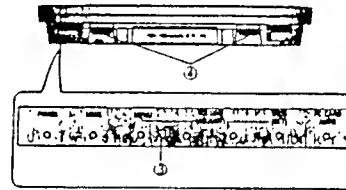
Bottom view



Remote controller

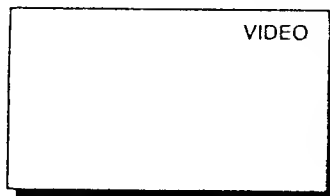
PDS4204 Series

Bottom view



## 1. Mode

- \* Select the video mode with MODE button.

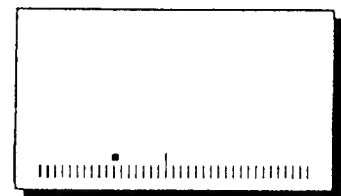


Example: Video mode

The selected mode will be displayed.

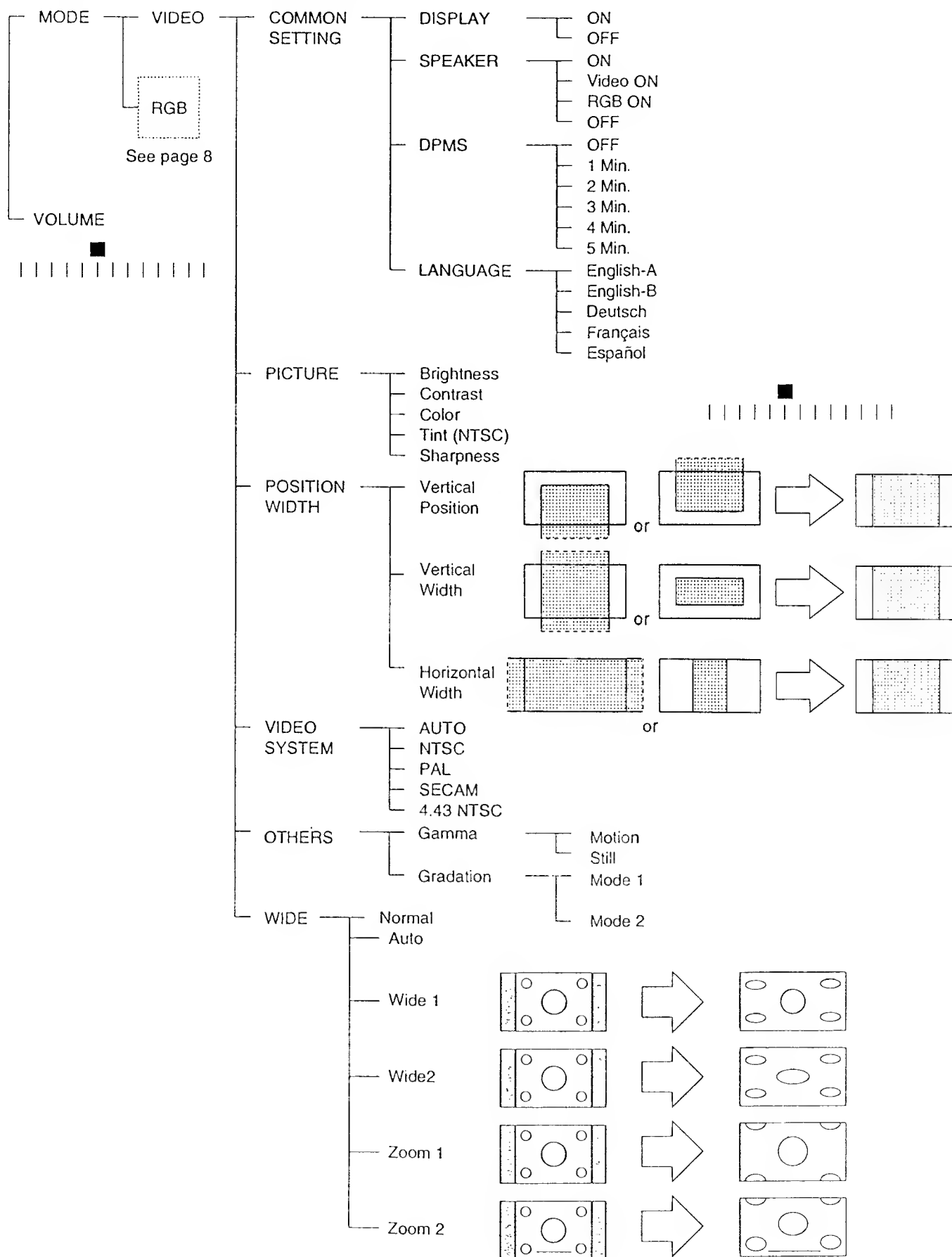
## 2. Adjusting the volume

- \* Push the + or - button of volume



The sound level will be displayed.

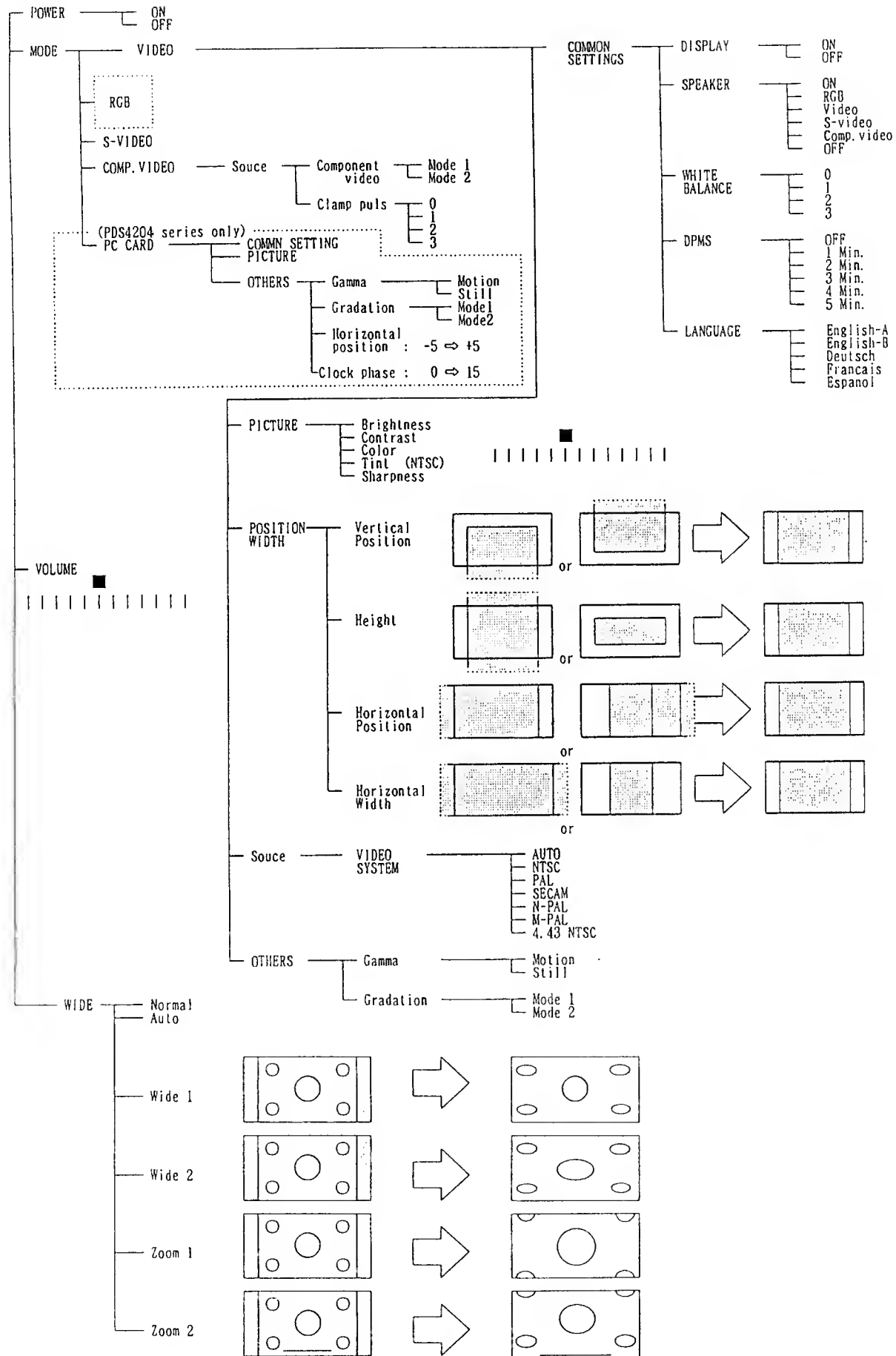
### 3. Video Mode Adjustment Items ( Remote controller ) (PDS4201 Series)



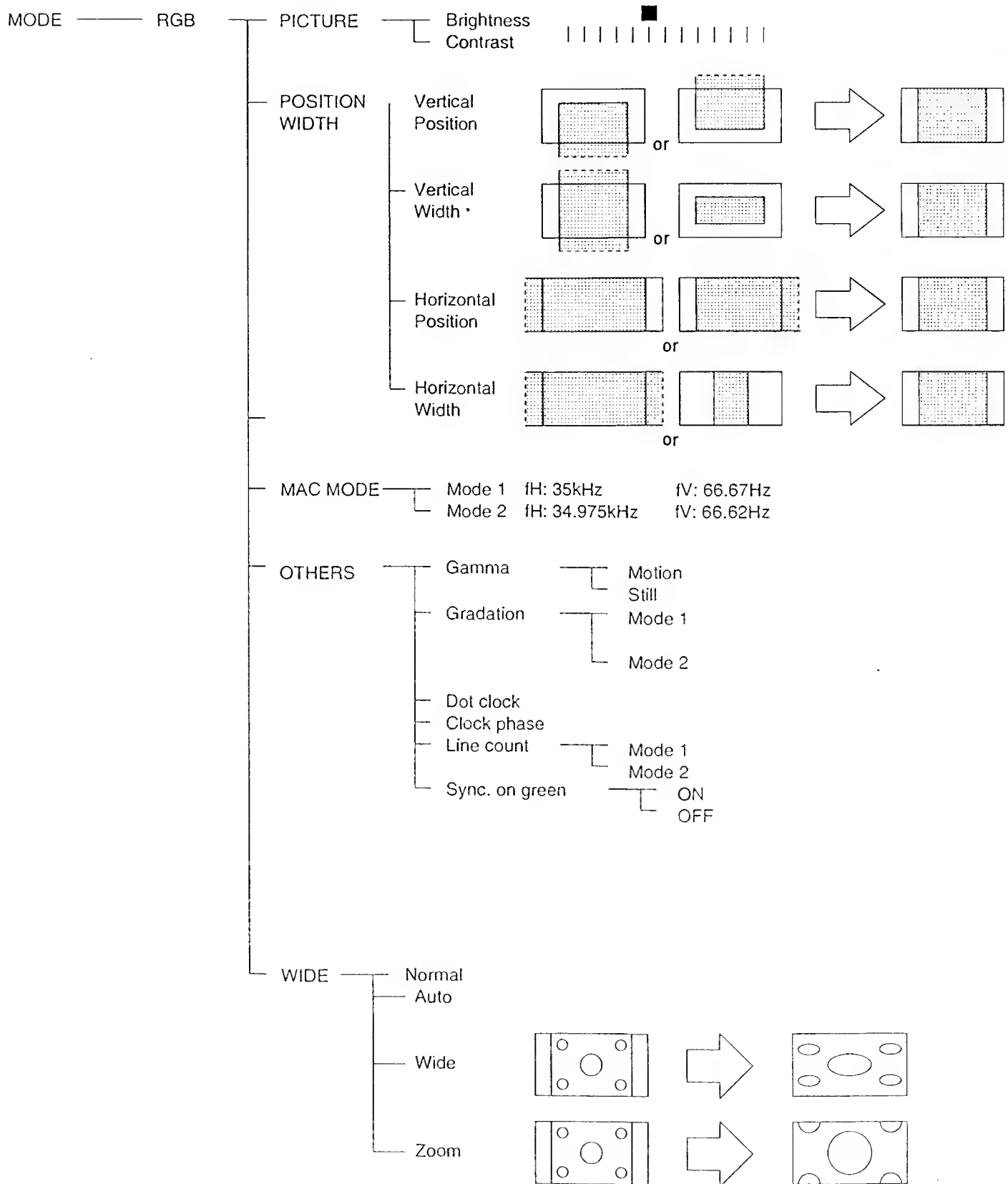


# VIDEO MODE ADJUSTMENT ITEMS (PDS4203/4 Series)

REMOTE CONTROLLER

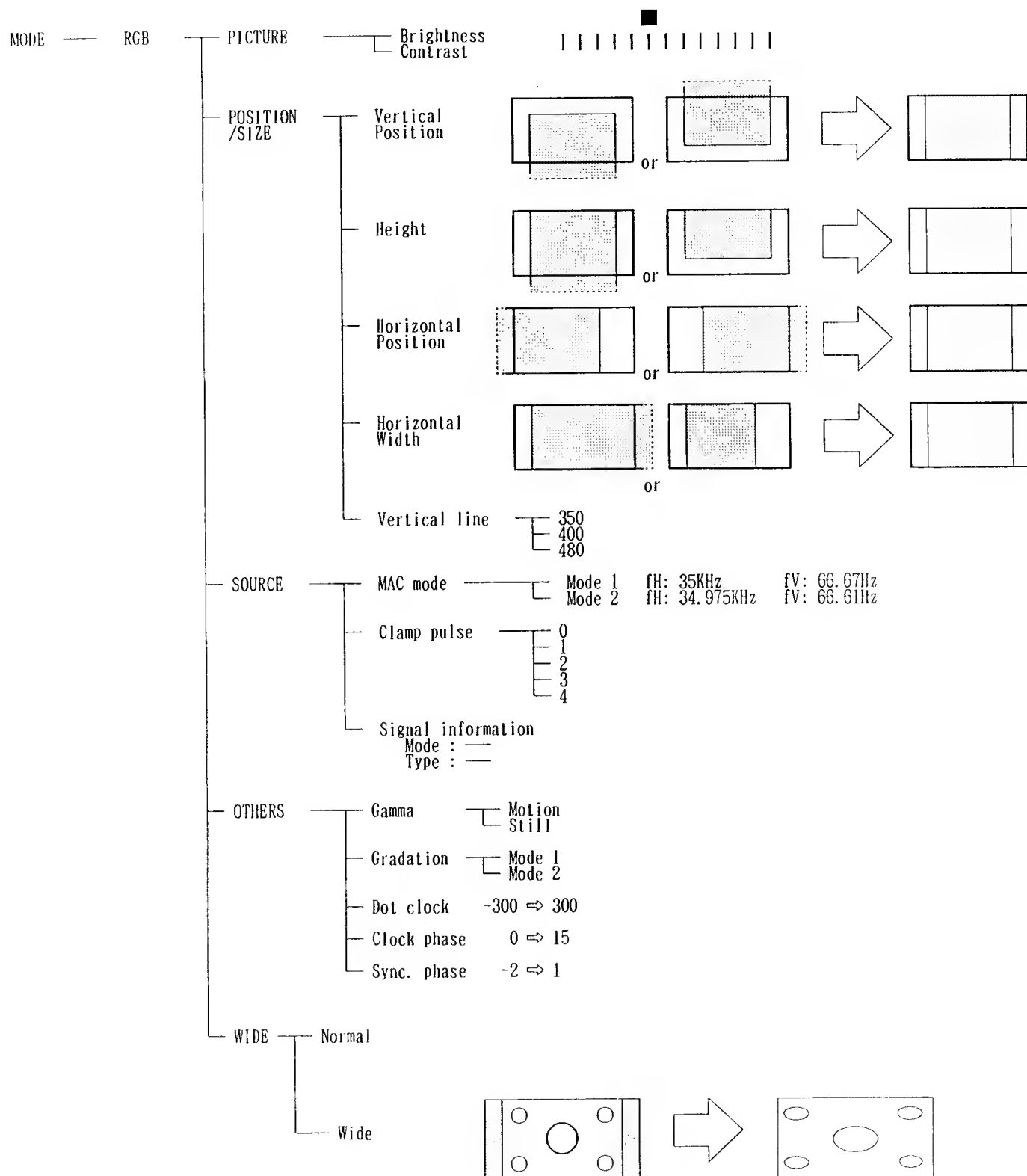


## 4. RGB Mode Adjustment Items ( Remote controller ) (PDS4201 Series)



\* The operating procedure of the Remote controller is given in User's Manual that came with the product.

# RGB MODE ADJUSTMENT ITEMS (PDS4203/4 Series)



\* The operating procedure of the Remote controller is given in User's Manual that came with the product.

# FAILURE ISOLATION BY LED AND OSD

## 1. Display

### (1) OSD

Two kind of error message are displayed on the screen,  
and power supply off after 10 sec.

### (2) LED

LED error display continuous after power supply is off.

## 2. Error types and check points

### (1) OSD

| On screen display         | Cause                          | Check point   |
|---------------------------|--------------------------------|---|
| ERROR MESSAGE CONDITION 1 | Fan protector operate          | <ul style="list-style-type: none"> <li>• Fan</li> <li>• Signal PCB</li> </ul>                         |
| ERROR MESSAGE CONDITION 2 | Temperature protector operates | <ul style="list-style-type: none"> <li>• Ambient temperature of unit</li> <li>• Signal PCB</li> </ul> |

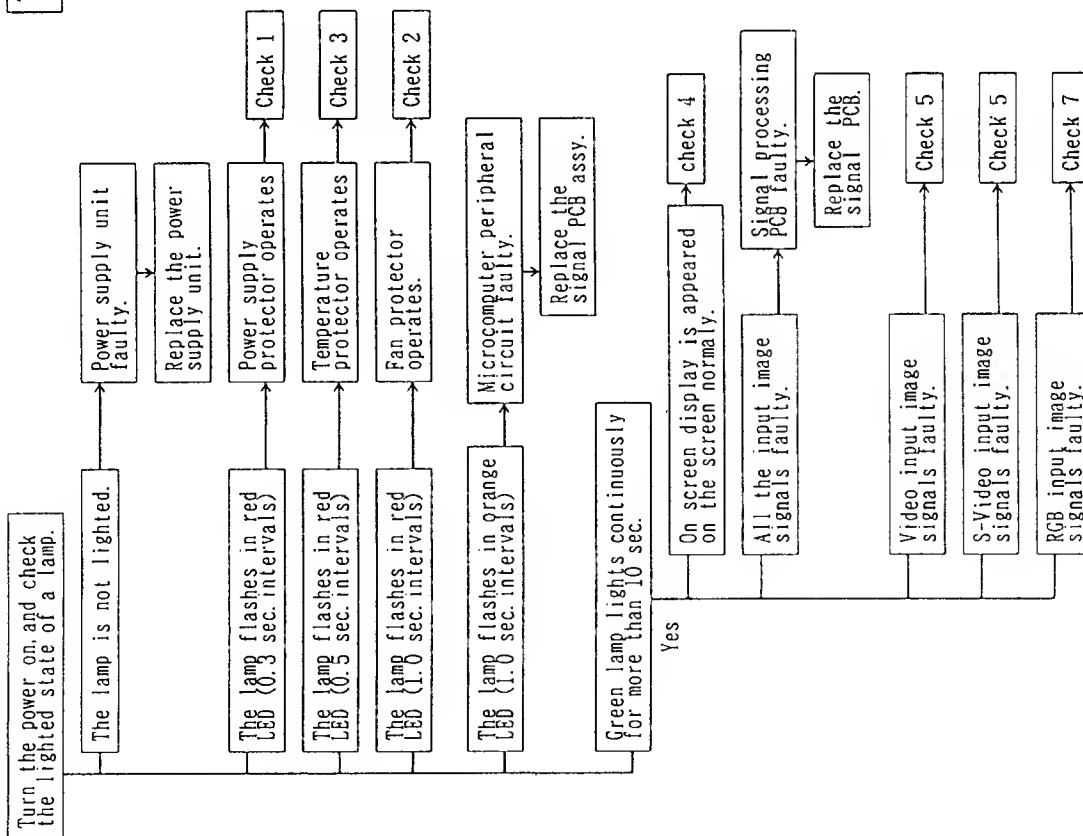
### (2) LED

| LED lamp display status  | Cause   | Check point   |
|--|---|---|
| light continuous (Red)   | Stand-by status                                 | -----   |
| PDS4201 serie<br>Flashes on 0.3 and 0.3 off sec. (Red)<br>PDS4203/4 serie<br>Flashes continuous (Red)                | No power<br><br>Power supply protector operates | <ul style="list-style-type: none"> <li>• Power supply unit</li> <li>• Signal PCB</li> </ul>           |
| PDS4201 serie<br>Flashes on 1.0 and 1.0 off sec. (Red)<br>PDS4203/4 serie<br>Flashes once in 1 sec. (Red)            | Fan protector operates                          | <ul style="list-style-type: none"> <li>• Fan</li> <li>• Signal PCB</li> </ul>                         |
| PDS4201 serie<br>Flashes on 0.5 and 0.5 off sec. (Red)<br>PDS4203/4 serie<br>Flashes twice in 1 sec. (Red)           | Temperature protector operates                  | <ul style="list-style-type: none"> <li>• Ambient temperature of unit</li> <li>• Signal PCB</li> </ul> |
| PDS4201 serie<br>Flashes on 0.5 and 0.5 off sec. (Orange)<br>PDS4203/4 serie<br>Flashes four times in 1.5 sec. (Red) | Microcomputer peripheral circuit fault          | <ul style="list-style-type: none"> <li>• Signal PCB</li> </ul>  |

# FAILURE ISOLATION FLOW CHART

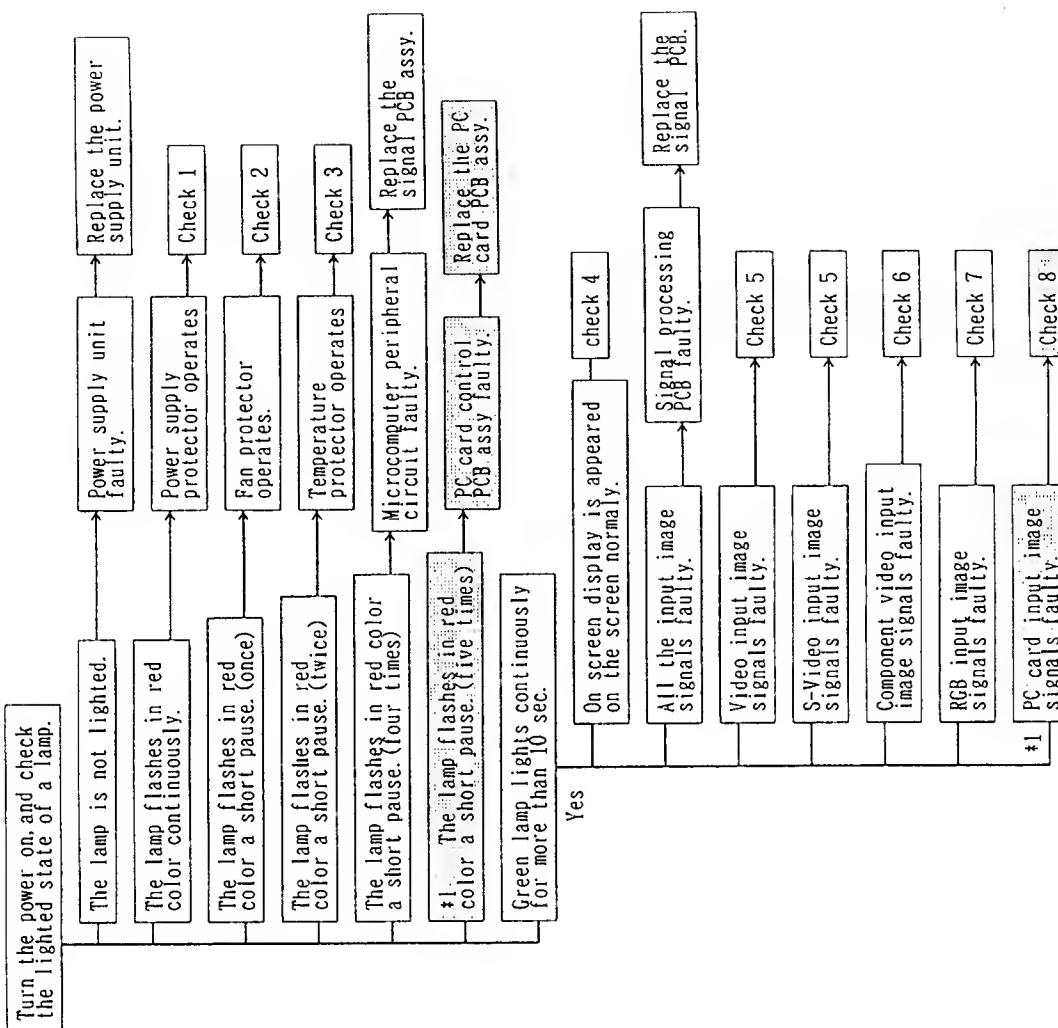
PDS4201 series

NO PICTURE



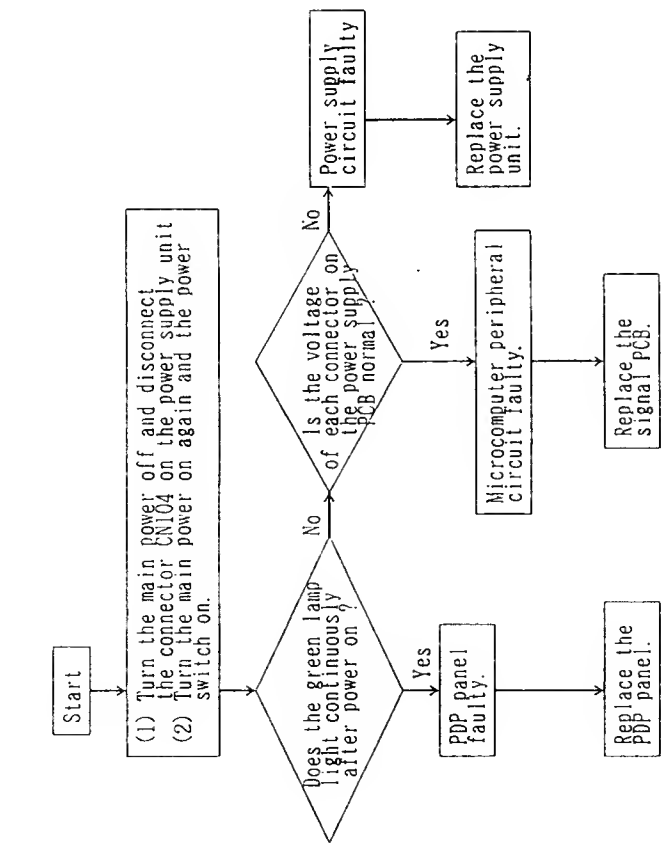
PDS4203/4 series

NO PICTURE

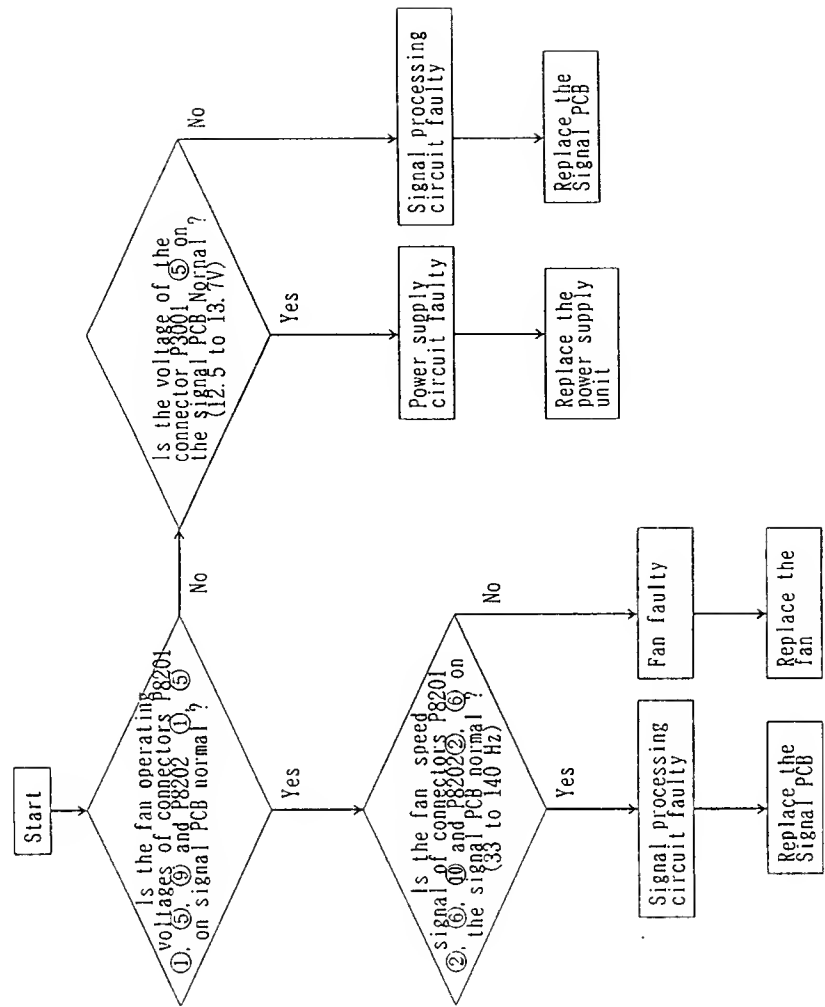


Note: #1 Models(PDS4204 series)only corresponding to PC card.

Check 1  
The case when the power supply protector operates



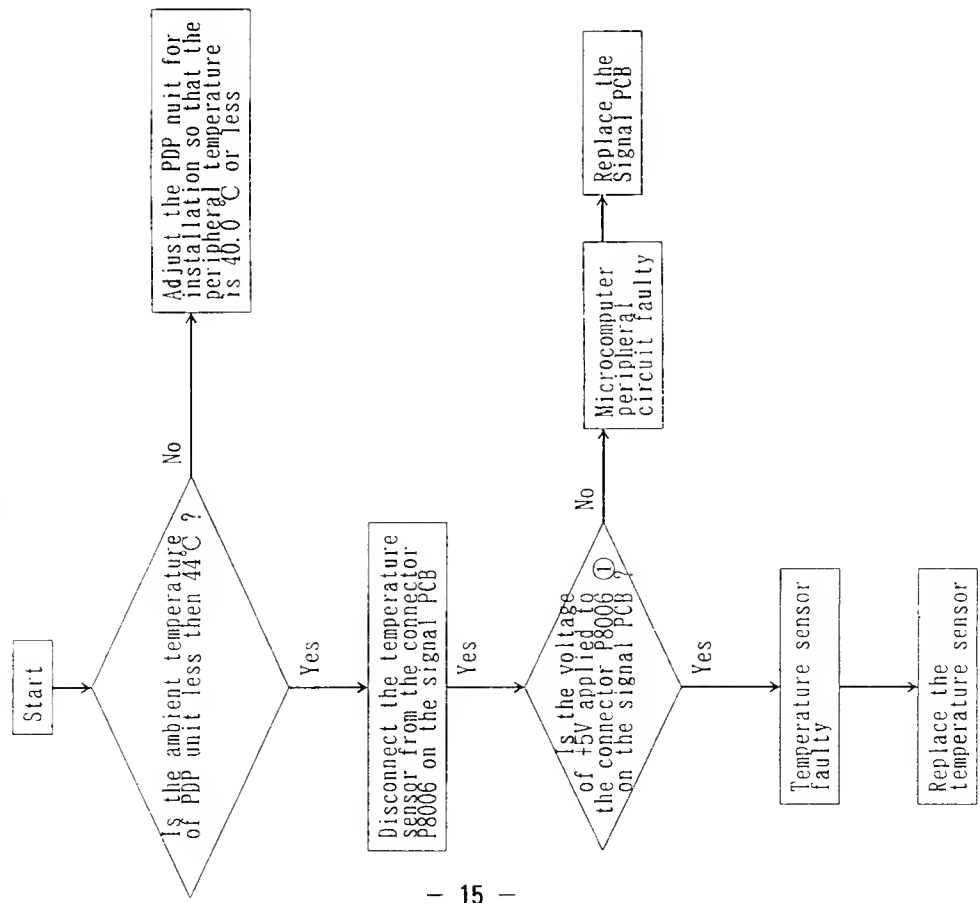
Check 2  
The case when the fan protector operates



Note: Fan protect operation is released when the main power is turned off. However, protection is again provided if the error is not eliminated.

### Check 3

The case when the temperature protector operates

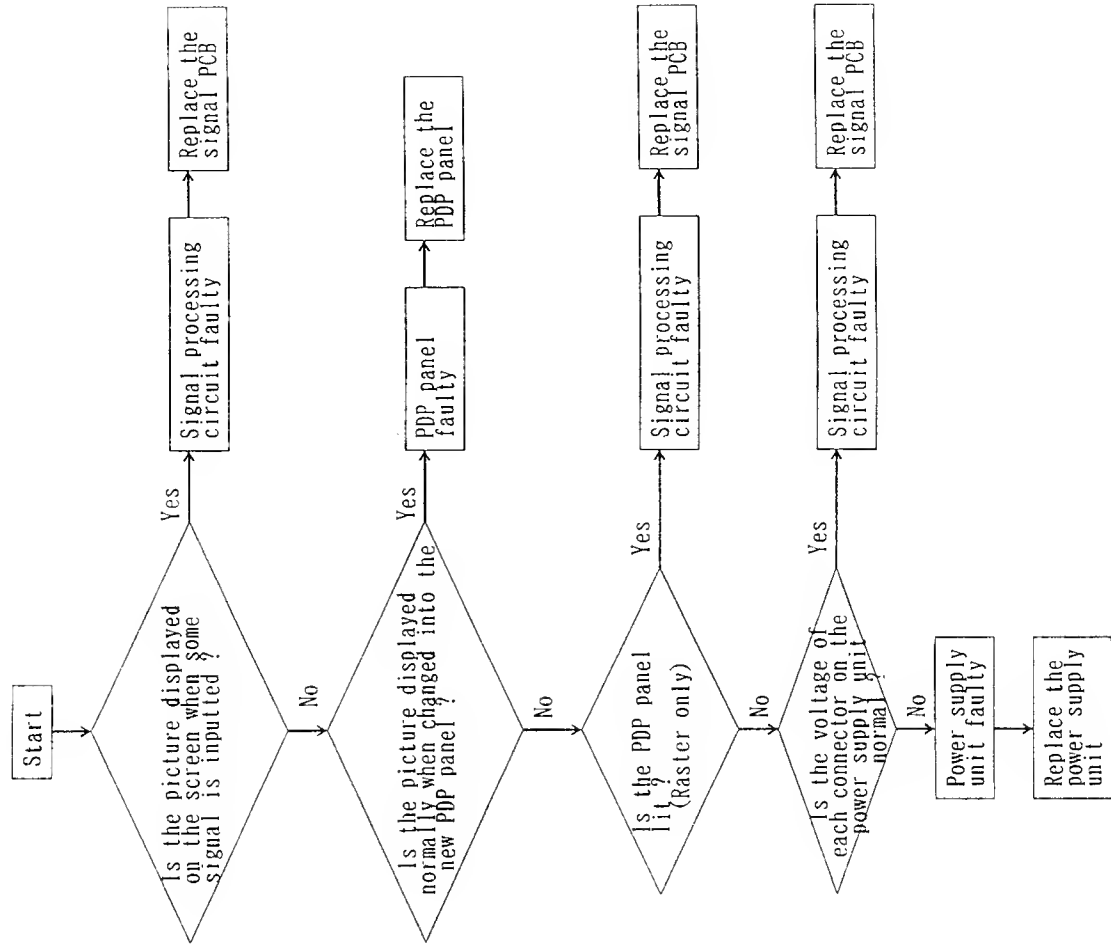


Note: Fan protect operation is released when the main power is turned off. However, protection is again provided if the error is not eliminated.

### Check 4

The case when OSD is not displayed

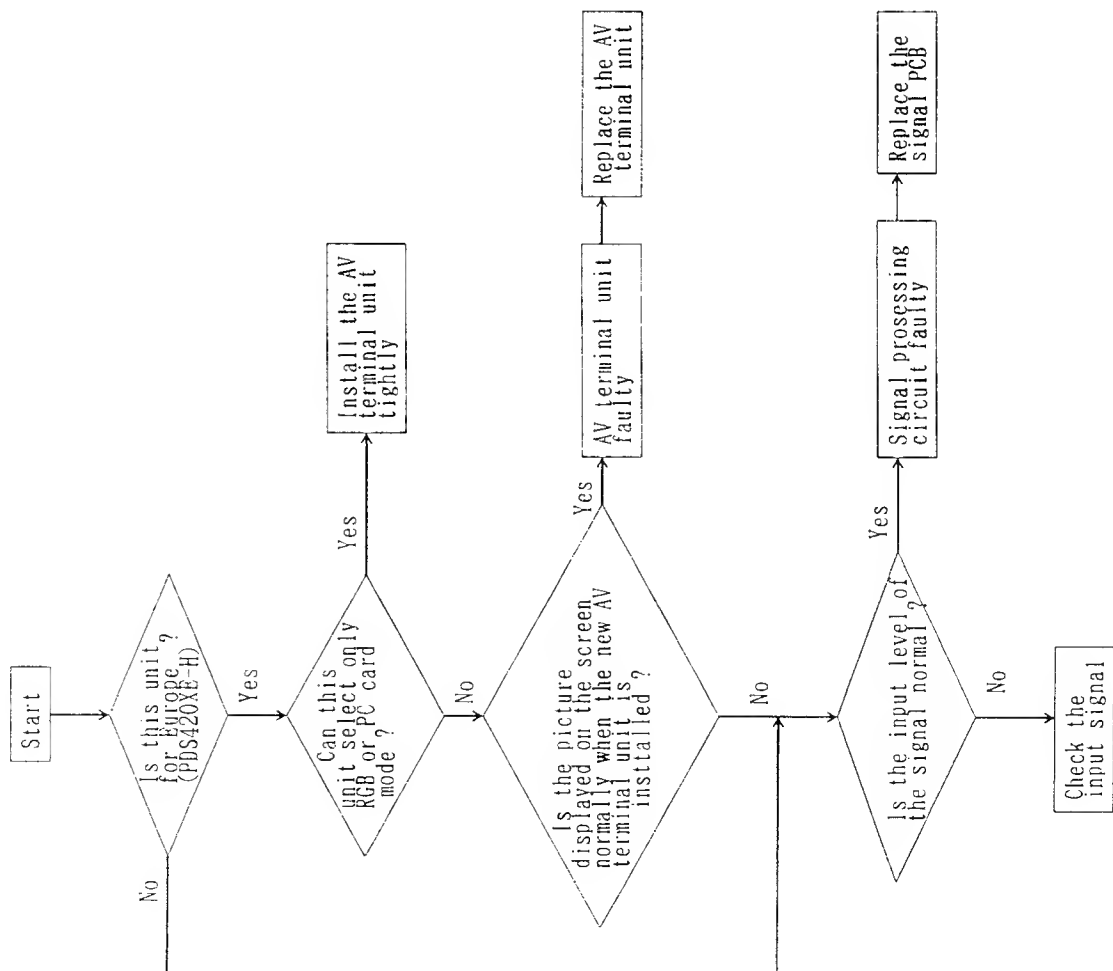
Power lamp: Green in color lighted. (10 sec. or more)



# Check 5

The case when Video/S-video input signals are abnormal

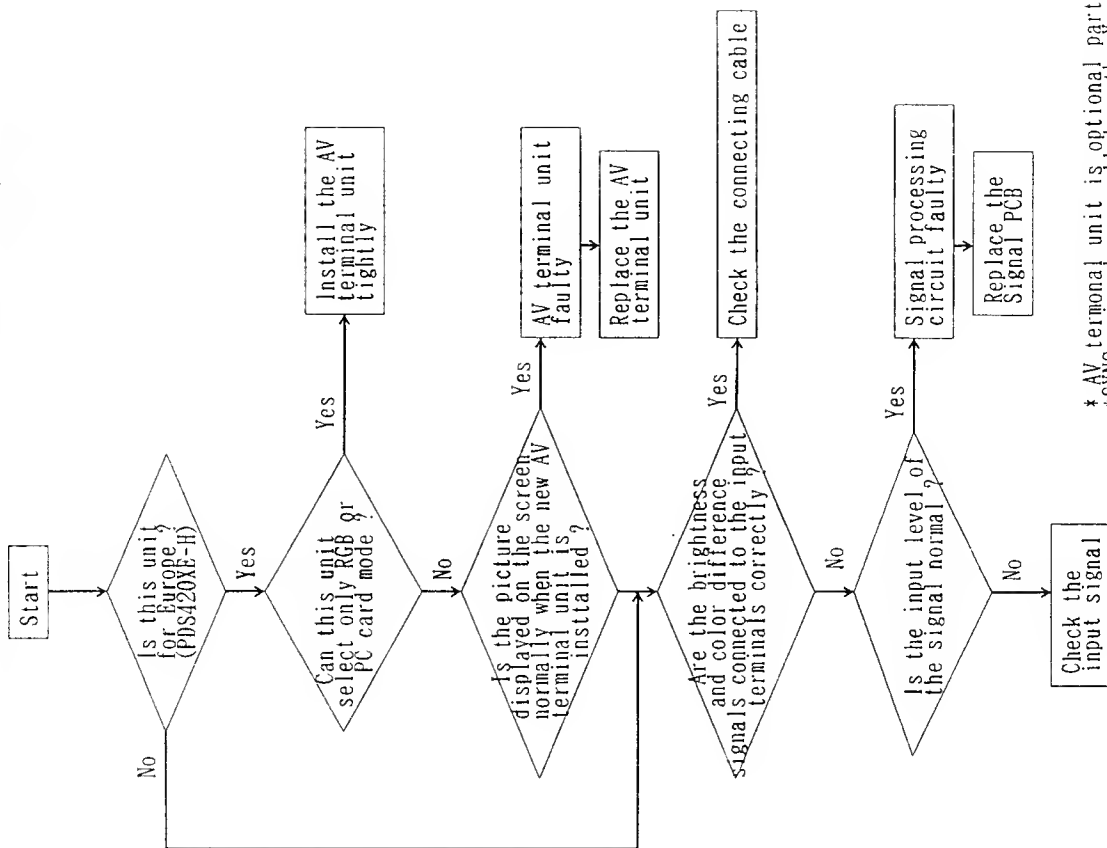
Power lamp: Green in color lighted  
(10 sec. or more)



# Check 6

The case when the component input signals (Y/Pb/Pr) are abnormal

Power lamp: Green in color lighted  
(10sec. or more)

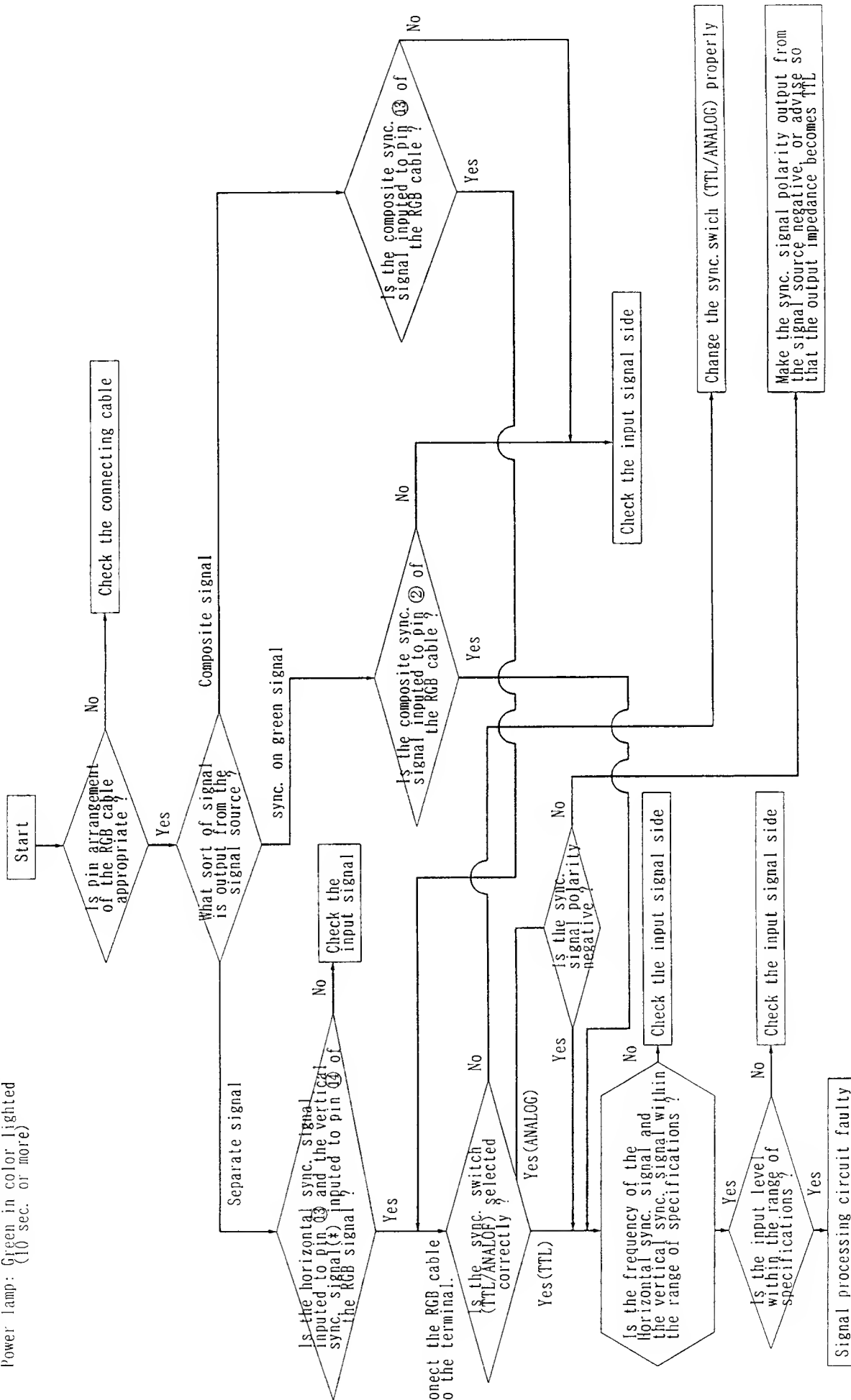


\* AV terminal unit is optional part.  
\* SYNC. signals are added on the Y signal



**Check 7** The case when the RGB input is abnormal

Power lamp: Green in color lighted  
(10 sec. or more)

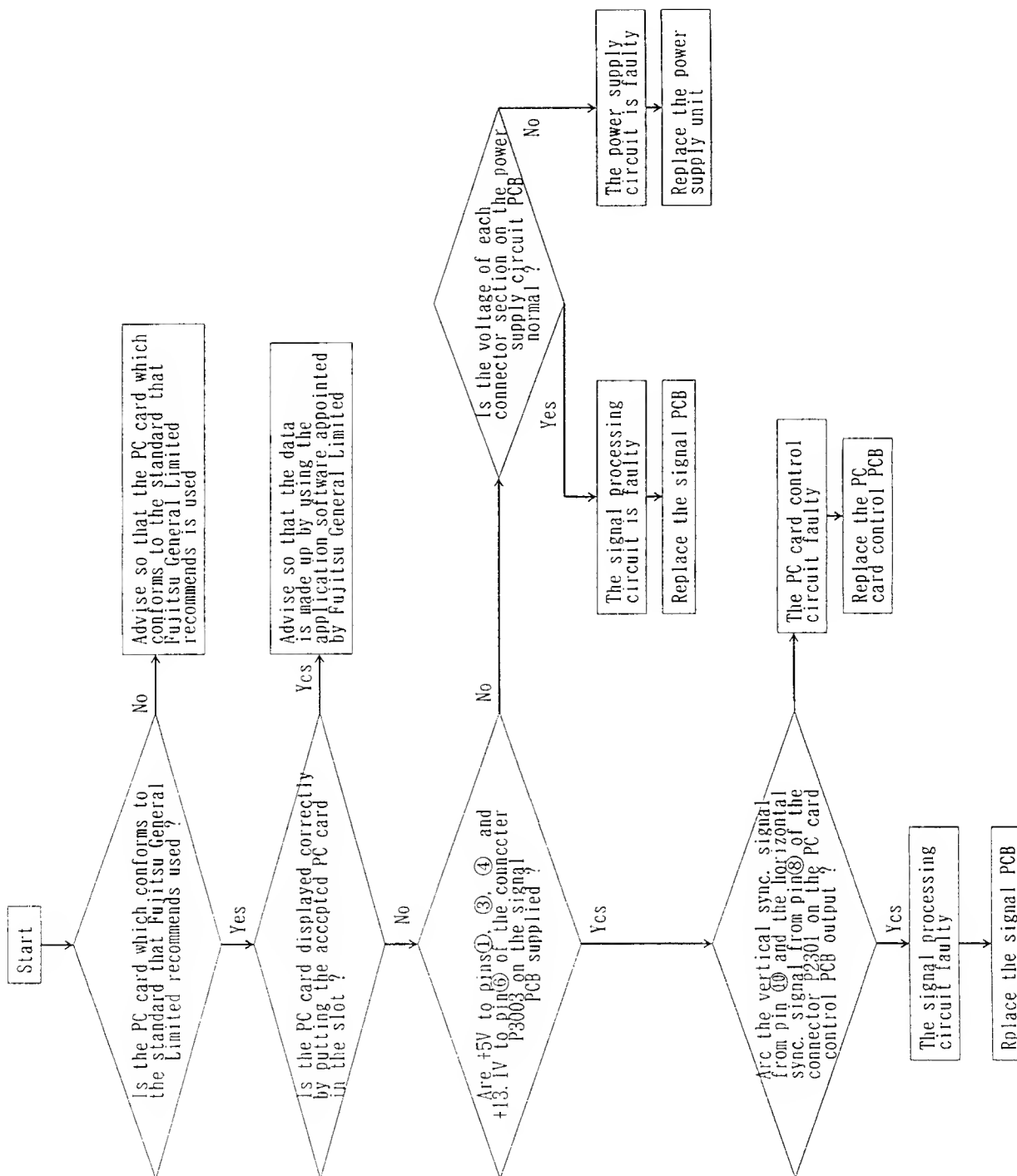


Note(\*): If the synchronizing signal can not be identified with the TTL level, measure it in the state of 75Ω terminal.

\*PDS4204 series only  
corresponding to PC card

# Check 8 The case when the PC card is abnormal

Power lamp: Green in color lighted (10 sec. or more)



## VOLTAGE OF EACH CONNECTOR

○The voltage measurement when protect mode

Because the relay signal is "L" in the state of protect mode, the voltage of Vcc1-4, Vs, Va is not output. Protect mode is cancelled only when the power SW is turned off. So, When the voltage is measured, turn off the power SW, then turn on by remote control. Measure the voltage until protecting operates again.

○Relay signal

Only when the relay signal of "CN106 -3 " is "H", the voltage of Vcc1-4, Vs and Va are output. When the microcomputer detects the abnormality of the voltage, these voltages are not output.

○ACOM signal

The ACON signal indicates whether AC is supplied or not.

The relay signal is output when this ACON signal is "H".

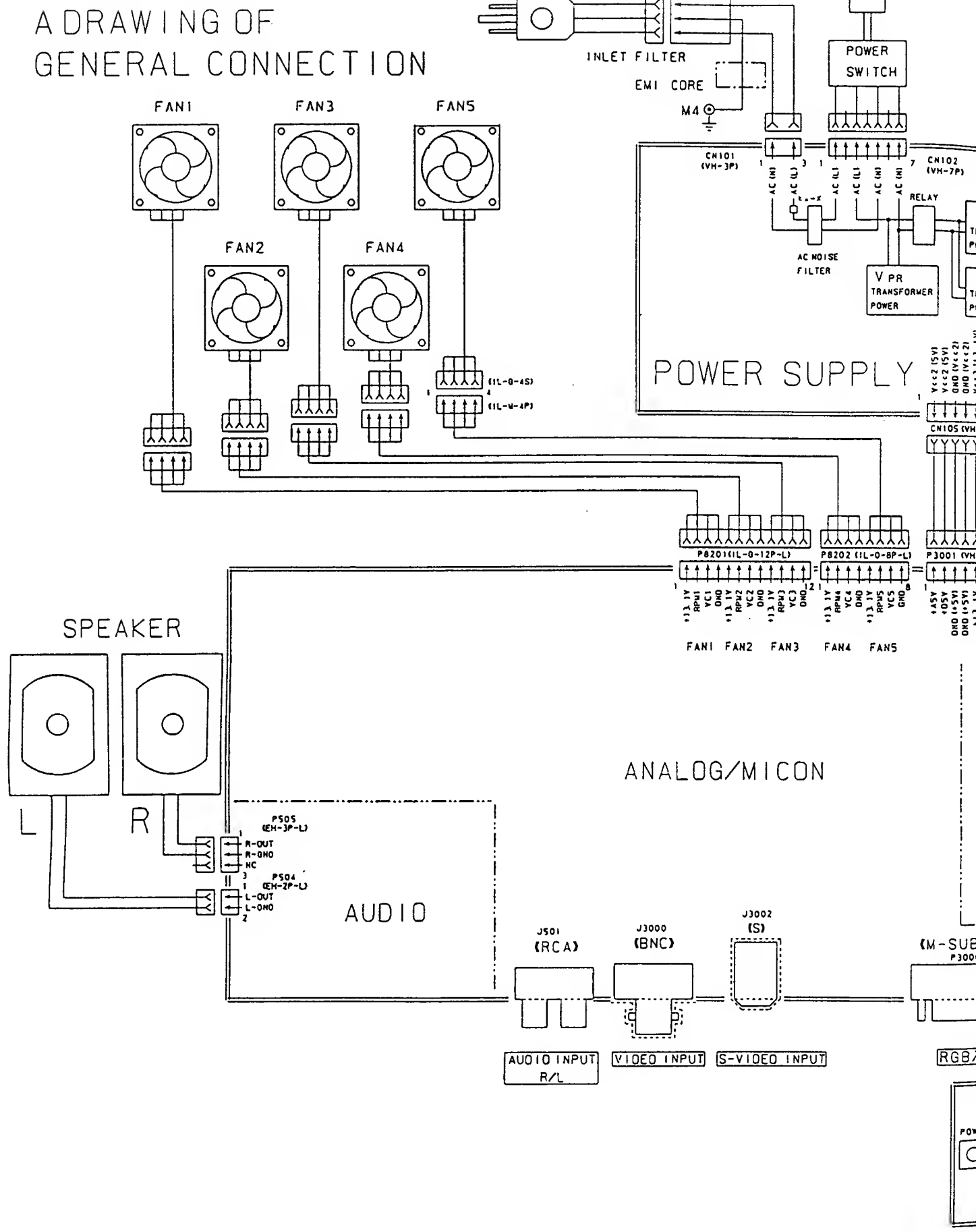
| CN103 POWER SUPPLY~PDP UNIT |           |                        |
|-----------------------------|-----------|------------------------|
| No.                         | NAME      | SPEC.                  |
| 1                           | Vcc1      | 5V(4.75V~5.25V)        |
| 2                           | Vcc1      | 5V(4.75V~5.25)         |
| 3                           | GND(Vcc1) |                        |
| 4                           | Vrs       | 0V~2.0V(from PDP unit) |
| 5                           | GND(Vrs)  |                        |
| 6                           | Vra       | 0V~2.0V(from PDP unit) |
| 7                           | GND(Vra)  |                        |
| 8                           | Vrr       | not used               |
| 9                           | NC        | —                      |

| CN104 POWER SUPPLY ~PDP UNIT |         |   |
|------------------------------|---------|---|
| No.                          | NAME    | SPEC.                                       |
| 1                            | GND(Vs) |   |
| 2                            | NC      | —   |
| 3                            | Vs      | 165.0V~185.0V<br>$V_s=165+10 \times V_{rs}$ |
| 4                            | Vs      |   |
| 5                            | Vs      |   |
| 6                            | NC      | —   |
| 7                            | Va      | 55.0V ~65.0V( $V_a=55+5 \times V_{ra}$ )    |
| 8                            | NC      | —   |
| 9                            | GND(Vs) |   |
| 10                           | GND(Vs) |   |

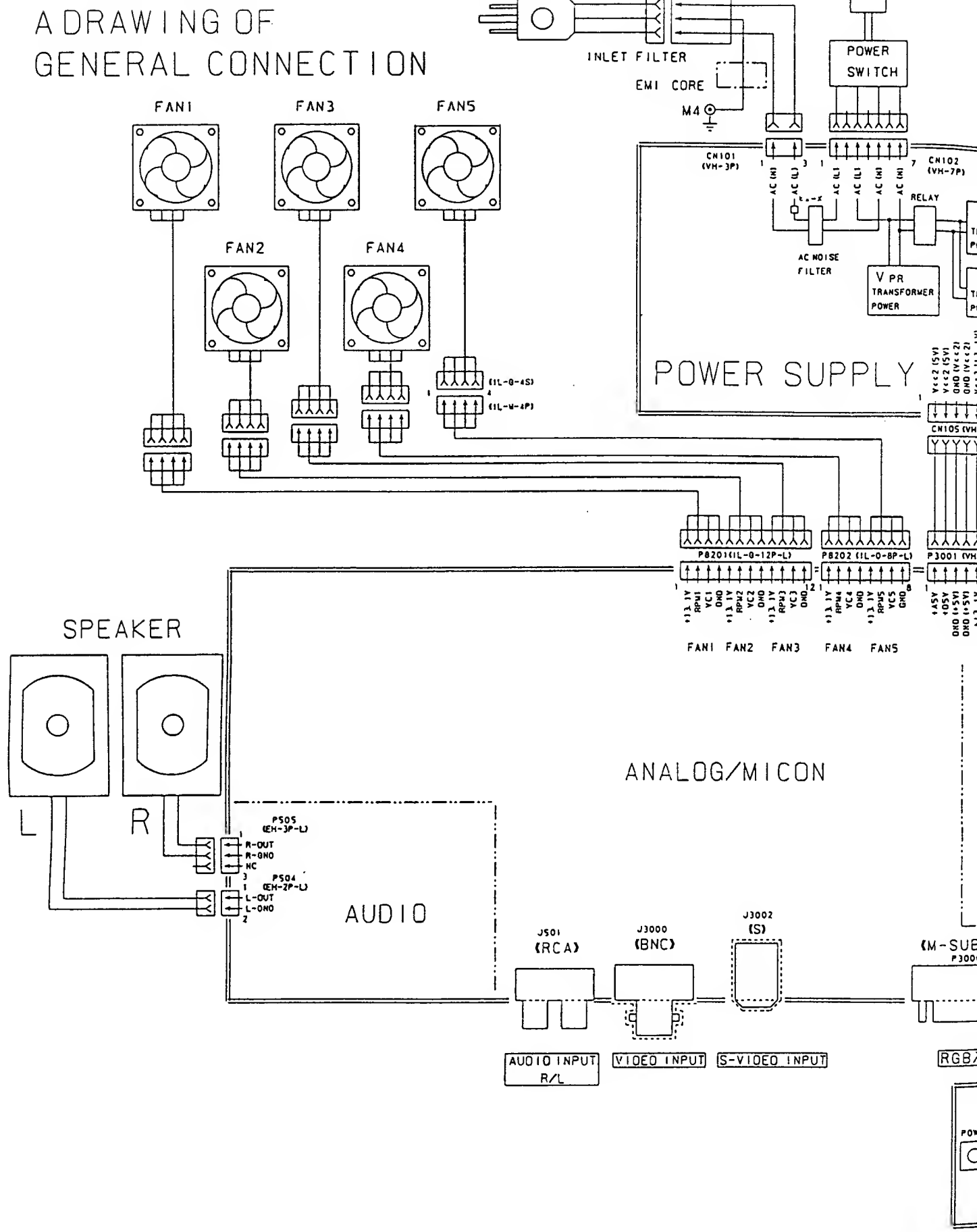
| CN105/P3001 POWER SUPPLY~SIGNAL PCB |              |                     |
|-------------------------------------|--------------|---------------------|
| No.                                 | NAME         | SPEC.               |
| 1                                   | Vcc2         | 5V(4.75V~5.25V)     |
| 2                                   | Vcc4         | 5V(4.75V~5.25V)     |
| 3                                   | GND(Vcc2, 4) |                     |
| 4                                   | GND(Vcc2, 4) |                     |
| 5                                   | Vcc3         | 13.1V(12.5V ~13.8V) |
| 6                                   | GND(Vcc3)    |                     |

| CN106/P3002 POWER SUPPLY~SIGNAL PCB |           |                          |
|-------------------------------------|-----------|--------------------------|
| No.                                 | NAME      | SPEC.                    |
| 1                                   | VPR(P+5V) | P+5V(4.75V~5.25V)        |
| 2                                   | GND(VPR)  |                          |
| 3                                   | RELAY     | Power on="H", off="L"    |
| 4                                   | NC        |                          |
| 5                                   | ACON      | AC power on="H", off="L" |

# A DRAWING OF GENERAL CONNECTION



# A DRAWING OF GENERAL CONNECTION



# INSTALLATION

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## CAUTIONS FOR INSTALLATION

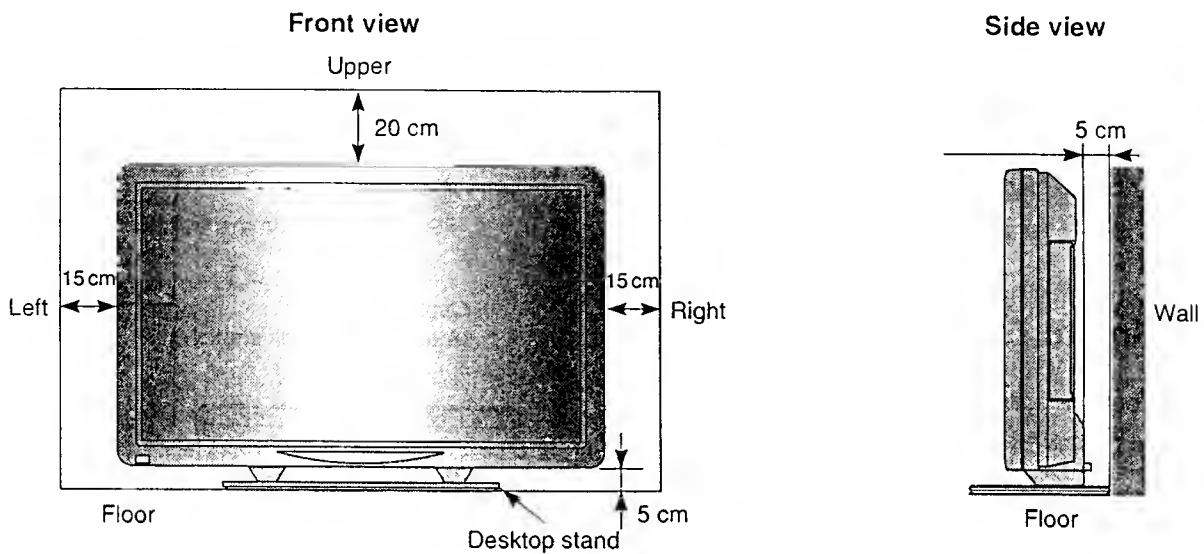
### 1. Installation Environment

- 1) Do not expose the display directly to vapor or heat. Protect the unit from rain or water.
- 2) The display uses glass material, and it cracks easily. So, do not apply any vibration and shock to this display. When carrying the display, always do by two peoples so that the vibration and shock is not applied to the display.
- 3) Do not disturb the radiate of heat from the rear, side and top of the unit. Install the unit in the place where is well ventilated. Use the unit within an ambient temperature range of 0°C—40°C.
- 4) Displaying the static picture continuously for a long time may cause after-image as well as CRT. To keep unit life for prolonged length of time, take measures such as the display to turn off at an unnecessary time, scroll of the picture and application of screen saver. Display periodically so that the whole screen becomes uniform with brightness inversion, to additive complimentary colors and insertion of moving pictures. Use a half tone and an intermediate color, if possible, as the higher brightness becomes the easier the burning occurs. Further, there is not worried about moving pictures.
- 5) Do not expose the optical filter directly to the sun for a long time. If so, the characteristic of the optical filter is changed, and there is some fear of discoloration.
- 6) Do not wipe the optical filter with a solvent such as benzine, and thinner. If so, the optical filter may peel off. Wipe the surface of the optical filter with a fluffy-less and soft cloth (e. g. cotton flannel). The surface of the optical filter is easily to be scratched, so do not rub or hit it with a hard thing.
- 7) The display is want of brightness and contrast compared with a CRT yet. In addition, as the screen becomes whitish by effect of the peripheral environmental light and it is difficult to see the screen, great care should be taken for the effect of the outdoor light. Therefore, it is recommended to darken the peripheral environmental light slightly.
- 8) Take care that the light from the back may have an effect on the screen. So, avoid the light from the back where possible.
- 9) The display may cause radio wave interference to sensors which detect faint and low frequency radio wave. When the VTR and signal cable shielded incompletely is brought close to the display, it may catch noise. To avoid catching noise, change the location or move it away for measures.
- 10) Near infrared rays come from the front of the display panel. As a result, an infrared ray remote control unit of other equipment and infrared communication system may be caused interference. At a time like this, change the directions of the equipment against the screen. move further away so that the direct rays (or reflected rays depending on the situation) from the screen have no effect on the other equipment.
- 11) When the display is installed in a quiet room, it is recommended a thick curtain to be arranged on the wall of the rear side to reduce the noise of fans.

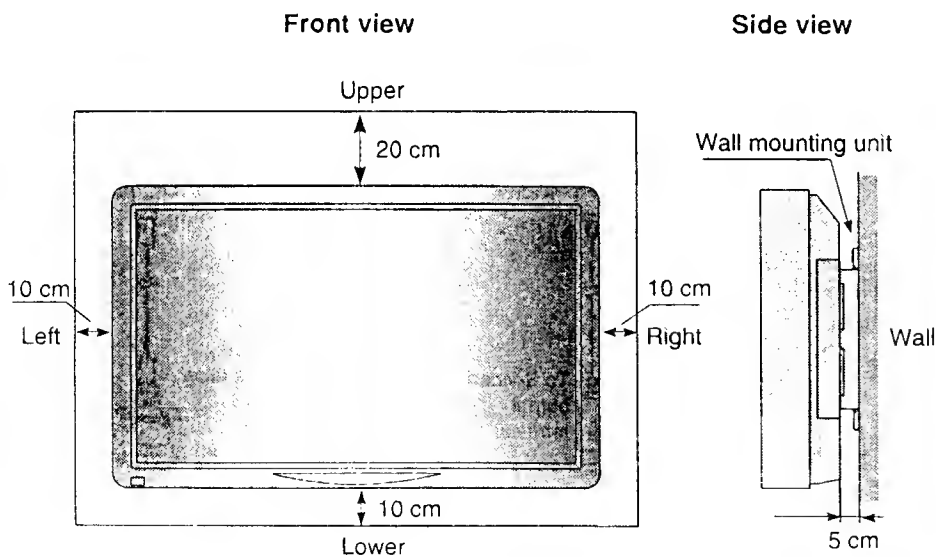
### 3. Space required around a plasma monitor

\* For good heat dissipation, this monitor requires space shown in the figure below.

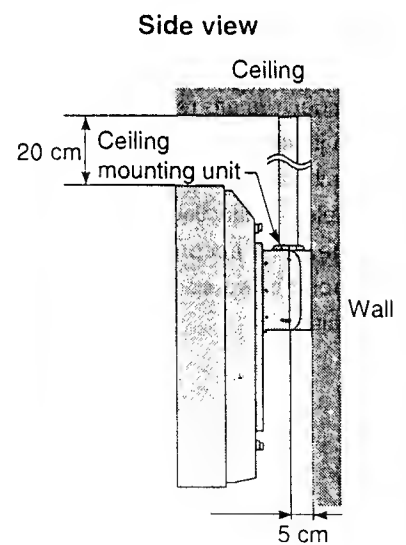
#### When desktop stand used



#### When wall - mounting unit used ( horizontally )

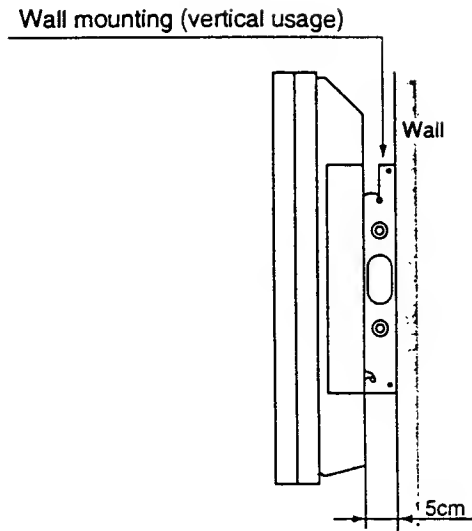
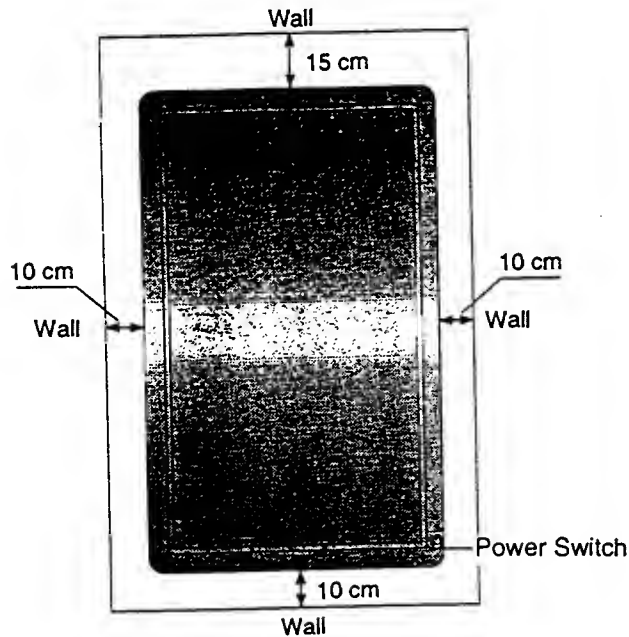


#### When ceiling - mounting unit used



## When wall - mounting unit used

- \* When installing the monitor vertically, install it with the power switch downward.

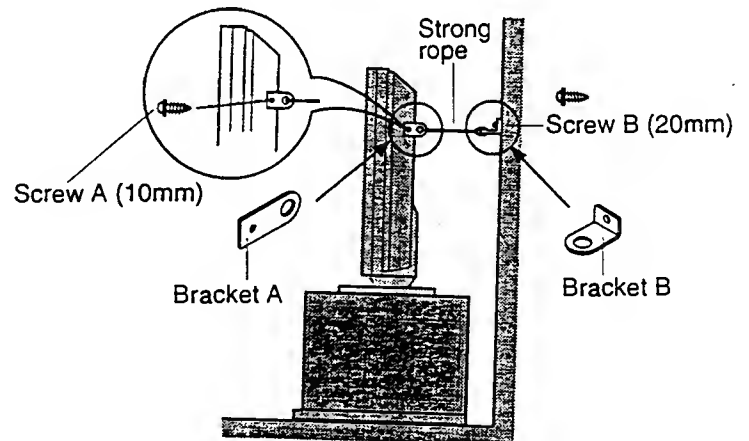
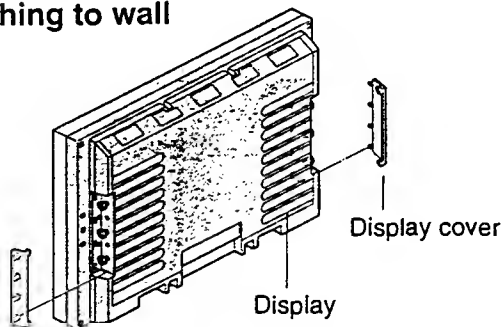


## 4. Desktop stand

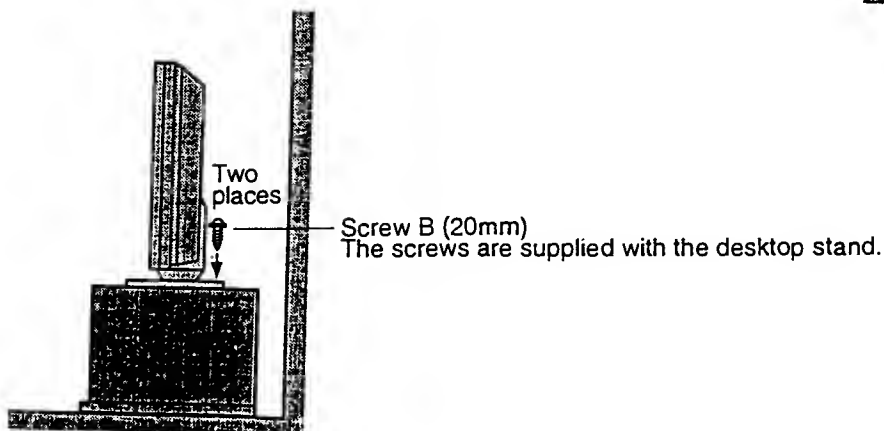
## Model P-42TT01

- \* This machine could topple over if children climb up on it or push it.
- To prevent accidents and to ensure safety during disasters such as earthquakes, take precautions to ensure that the equipment cannot topple over.

### Attaching to wall



### Attaching to desk

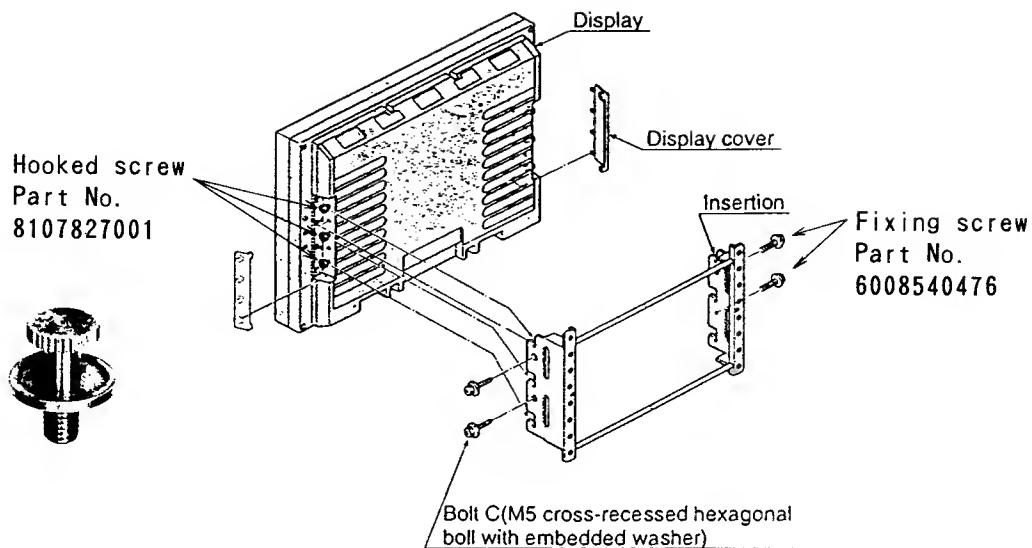




## 5 Wall Mounting Unit

Model P-42WB01  
P-42WB02  
P-42WB03  
P-42WB04

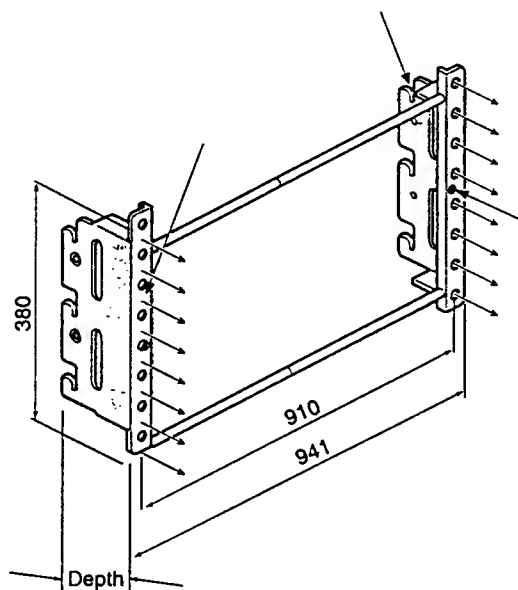
### 1) Assembling



### 2) Model

(Unit : mm)

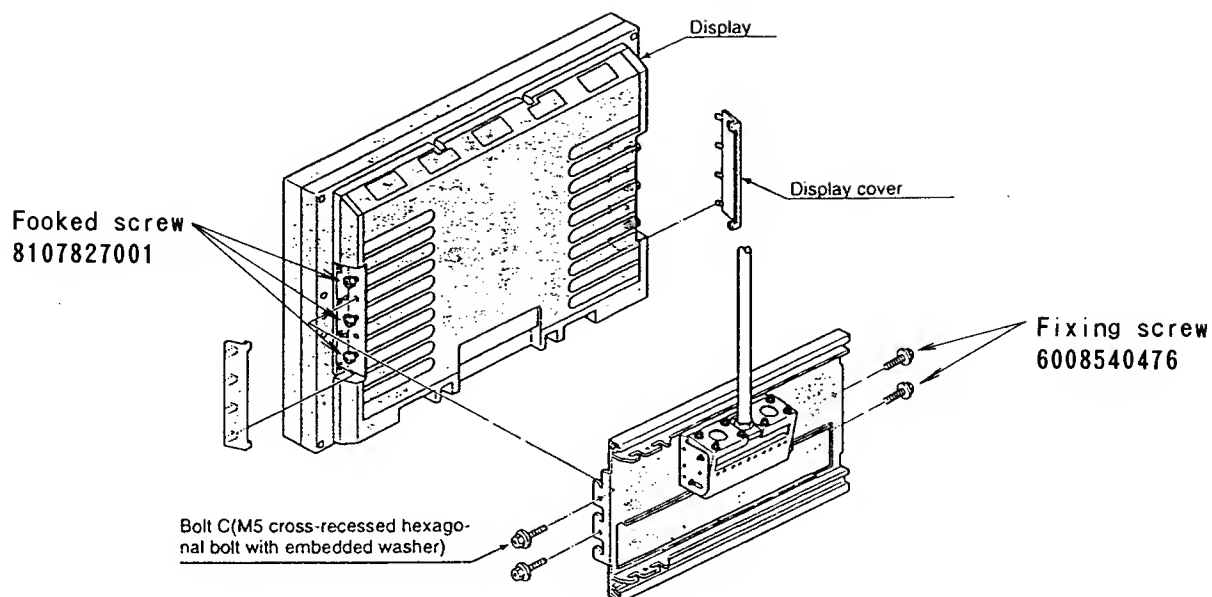
| Model    | Outer dimensions |        |       | Weight |
|----------|------------------|--------|-------|--------|
|          | Depth            | Height | Width |        |
| P-42WB01 | 100.0            | 380    | 941   | 1.5kg  |
| P-42WB02 | 116.5            |        |       |        |
| P-42WB03 | 152.5            |        |       |        |
| P-42WB04 | 188.0            |        |       |        |



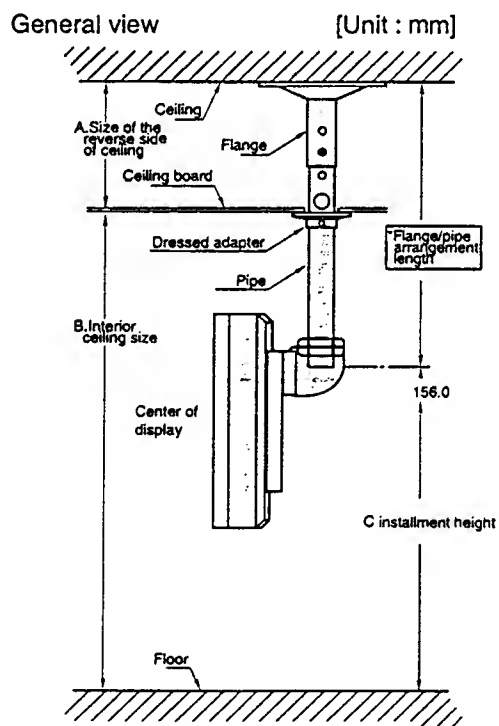
## 6. Ceiling Mounting Unit

Model P-42CT01

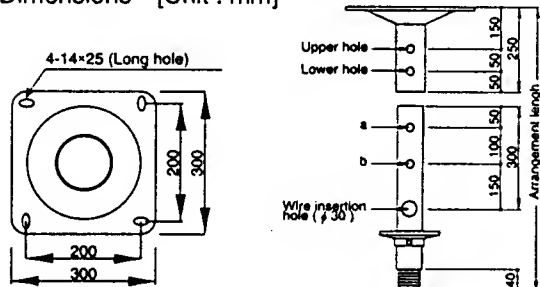
### 1) Assembling



### 2) Option parts ( pipe set )



Dimensions [Unit : mm]



Selection of pipe length ( X )

[Unit : mm]

| Set Name | Pipe Length : (X) | Combined length      |                      |
|----------|-------------------|----------------------|----------------------|
|          |                   | Upper hole of flange | Lower hole of flange |
| S        | 400               | a<br>b               | 400<br>450           |
| A        | 600               | a<br>b               | 600<br>650           |
| B        | 800               | a<br>b               | 800<br>850           |
| C        | 1000              | a<br>b               | 1,000<br>1,050       |
| D        | 1200              | a<br>b               | 1,200<br>1,250       |
| E        | 1400              | a<br>b               | 1,400<br>1,450       |

Parts included in sets A to E and S  
[Unit : mm]

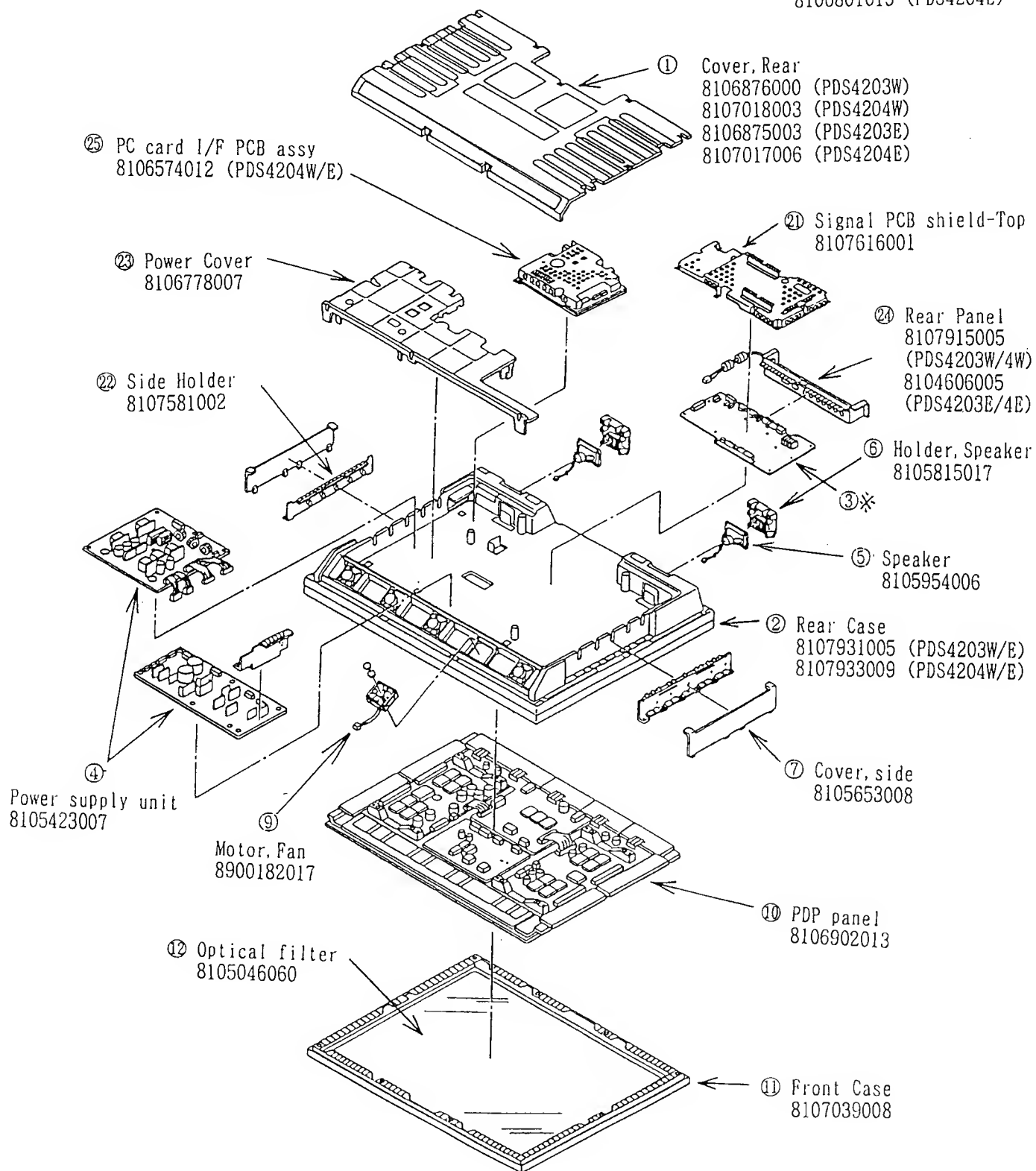
| Part Name          | Q'ty | Part Name |
|--------------------|------|-----------|
| Hanger pipe        | 1    | Black     |
| Hanger flange      | 1    | Black     |
| M48 nut            | 2    | Black     |
| Ornamental adapter | 1    | Black     |
| Split Pin          | 1    | Unpainted |

# DISASSEMBLING INSTRUCTION

(PDS4203/PDS4204)

## 1. Exploded view (For the part number for PDS4201 series, refer to the part list.)

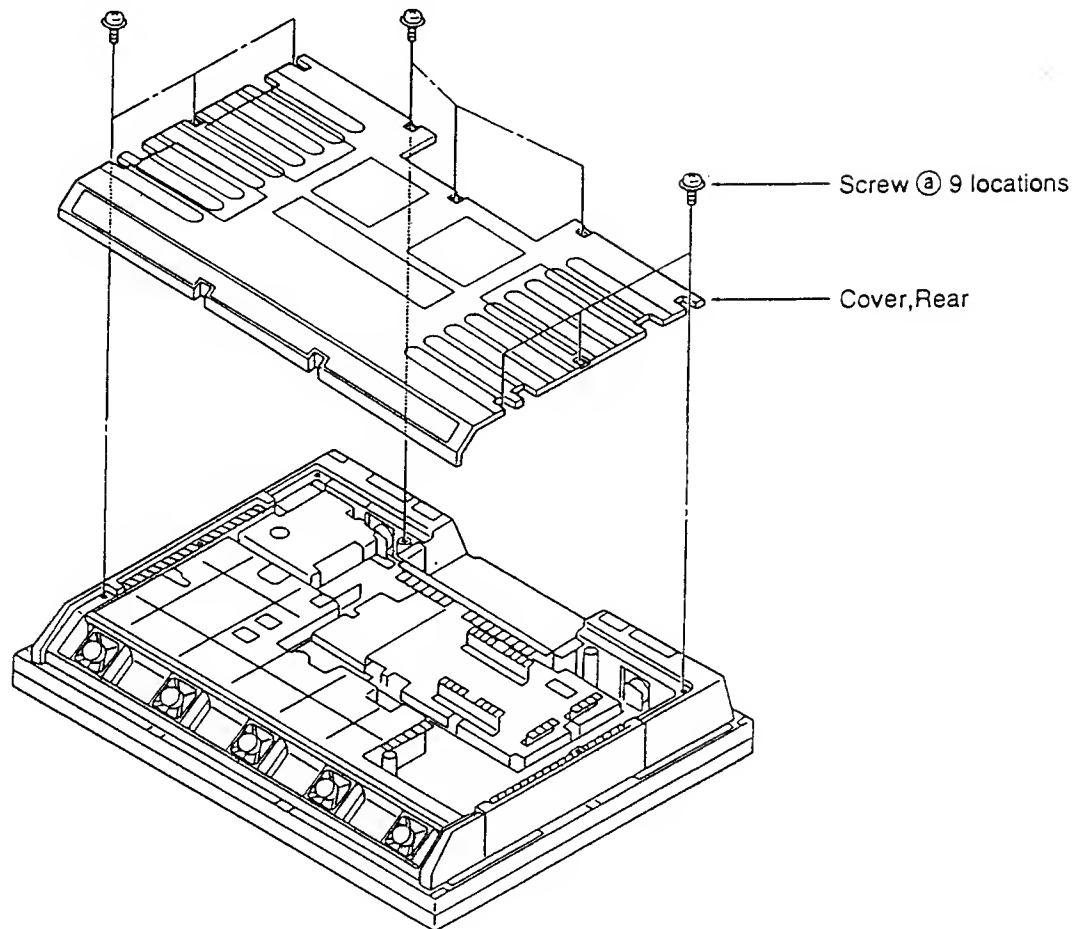
- ※ ③ Signal PCB assy  
 8106886016 (PDS4203W)  
 8106887013 (PDS4204W)  
 8106802016 (PDS4203E)  
 8106801019 (PDS4204E)



## 2. Removing the Main Components

### 2.1 Removing the Rear Cover

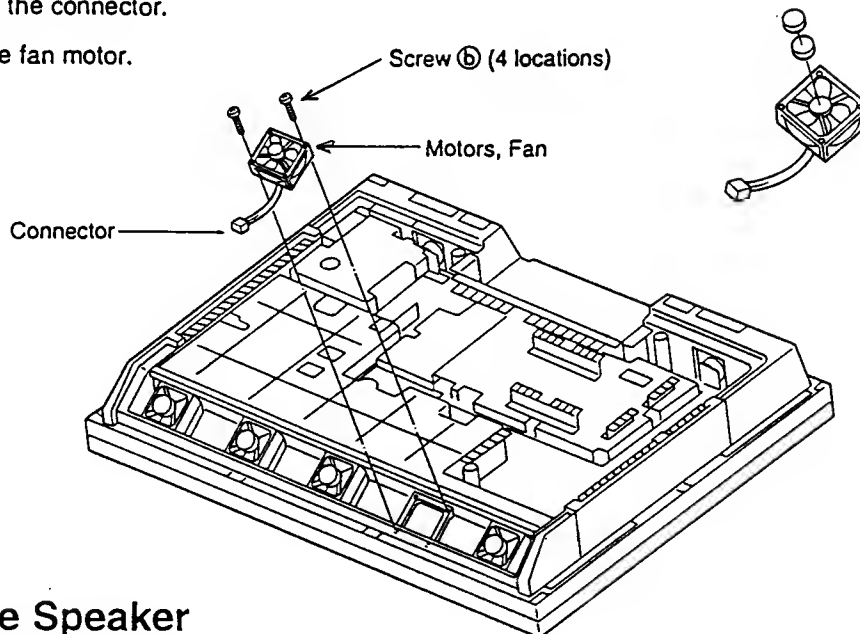
- Ⓐ Remove screws Ⓐ at nine locations.
- Ⓑ Remove the rear cover.



## 2.2 Removing the Fan Motors

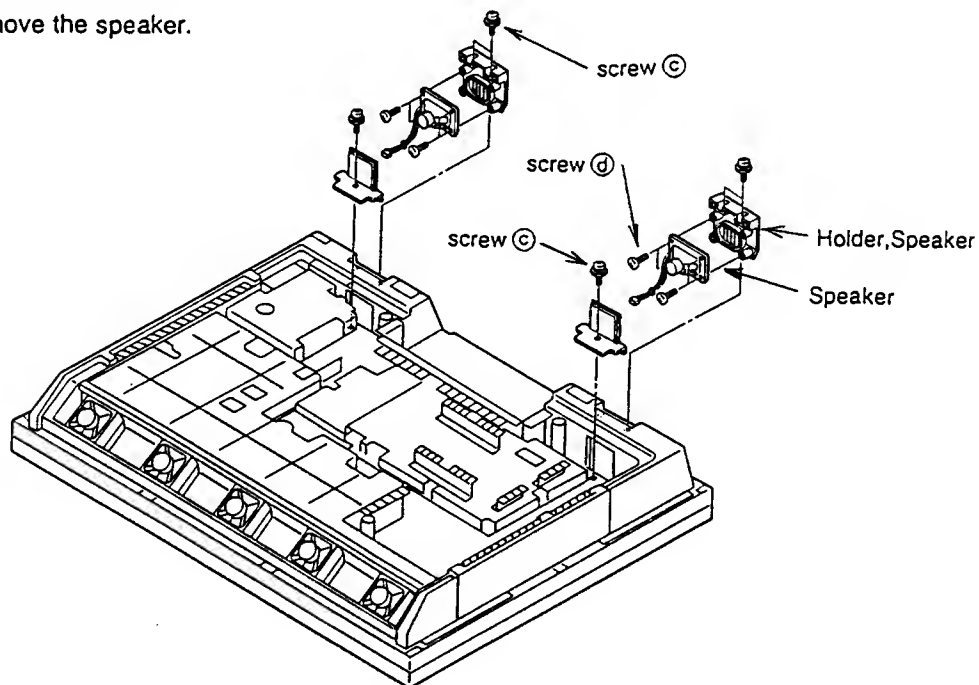
\* Same procedure for all five motors.

- Ⓐ Remove the rear cover (removing instruction on a separate page).
- Ⓑ Remove screws Ⓑ at four locations (per motor).
- Ⓒ Disconnect the connector.
- Ⓓ Remove the fan motor.



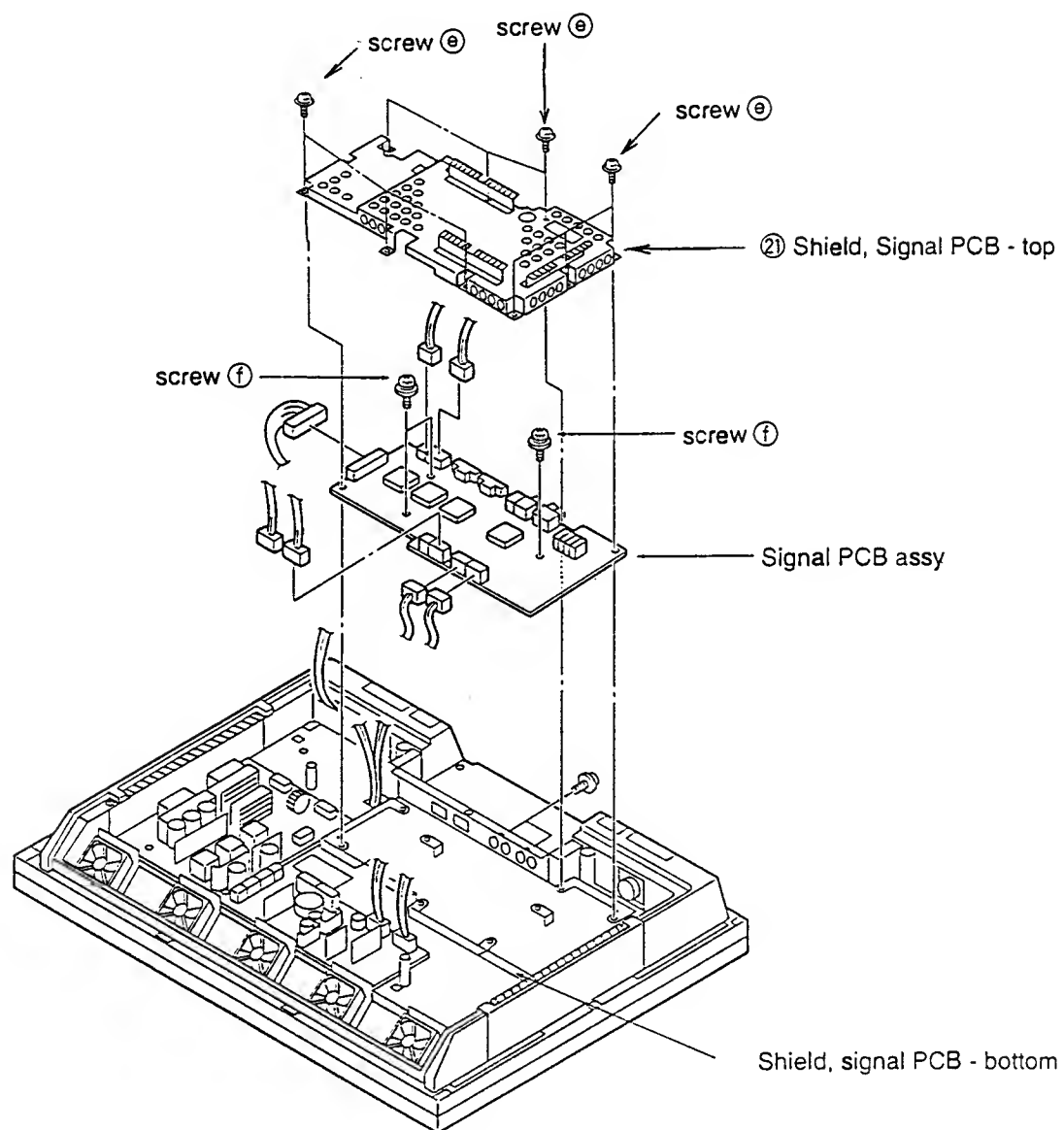
## 3. Removing the Speaker

- Ⓐ Remove the rear cover (removing instruction on a separate page).
- Ⓑ Remove screws Ⓒ at four locations.
- Ⓒ Remove screws Ⓓ at four locations.
- Ⓓ Remove the speaker.



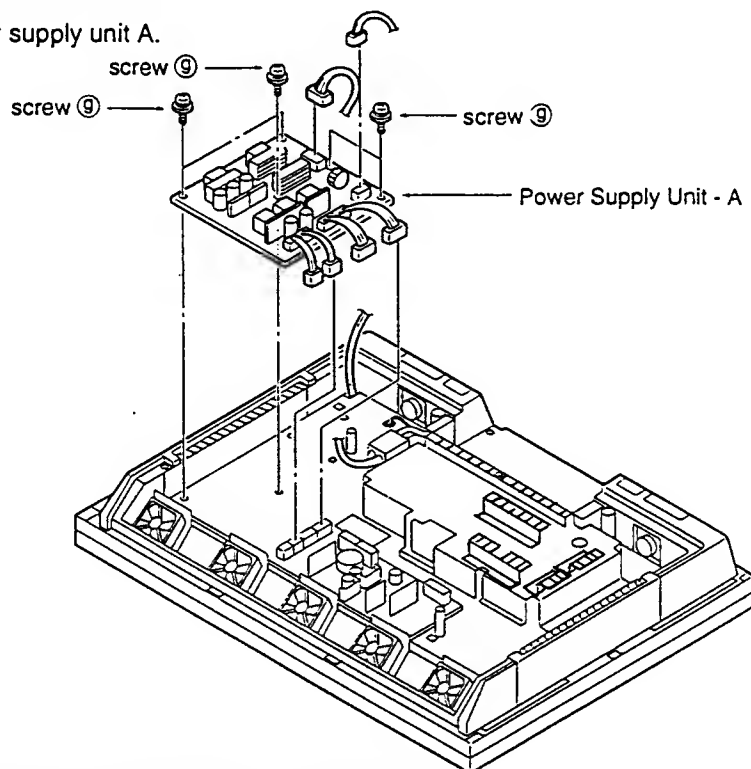
## 4. Removing the Signal PCB Assembly (M6JC)

- Ⓐ Remove the rear cover (removing instruction on a separate page).
- Ⓑ Remove screws Ⓔ at eight locations.
- Ⓒ Remove the signal PCB top shield.
- Ⓓ Remove screws Ⓕ at three locations.
- Ⓔ Disconnect the seven connectors.
- Ⓕ Remove the signal PCB assembly.



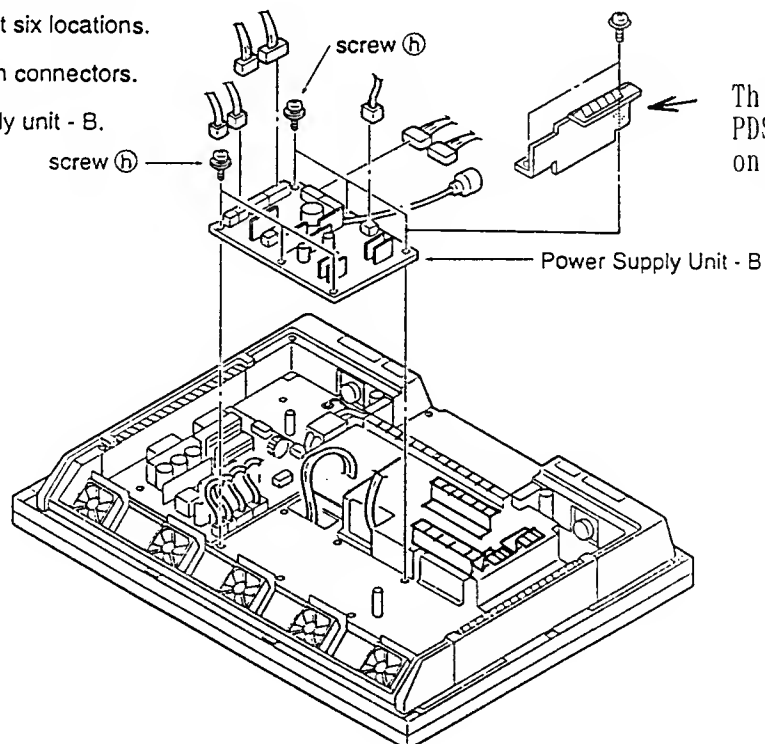
## 5. Removing the Power Supply Unit - A

- Ⓐ Remove the rear cover (removing instruction on a separate page).
- Ⓑ Remove screws ⑨ at five locations.
- Ⓒ Disconnect the six connectors.
- Ⓓ Remove power supply unit A.



## 6. Removing the Power Supply Unit - B

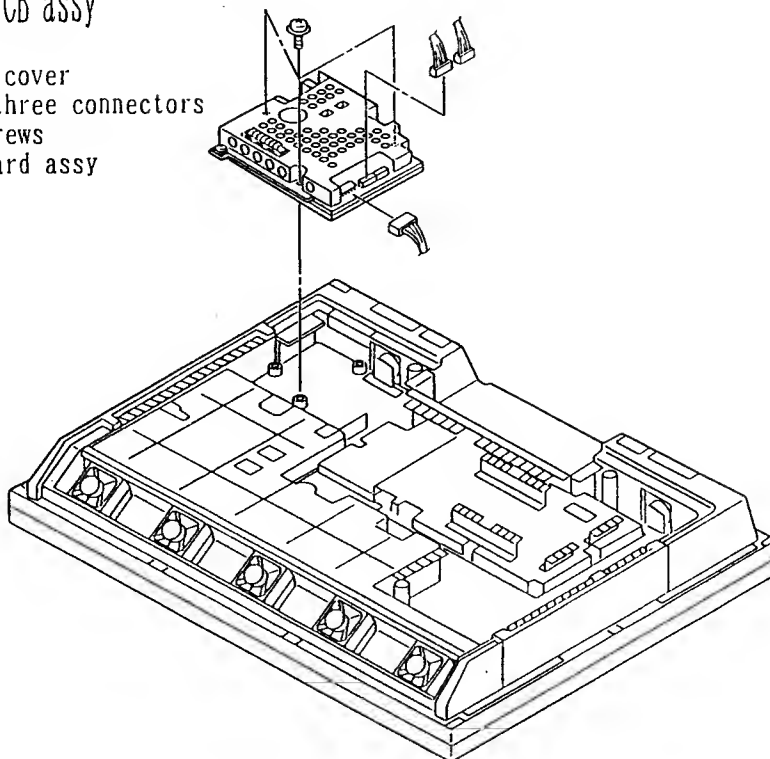
- Ⓐ Remove the rear cover (removing instruction on a separate page).
- Ⓑ Remove screws ⑧ at six locations.
- Ⓒ Disconnect the seven connectors.
- Ⓓ Remove power supply unit - B.



## 7 Removing the PC card PCB assy

\*PDS4204 series only

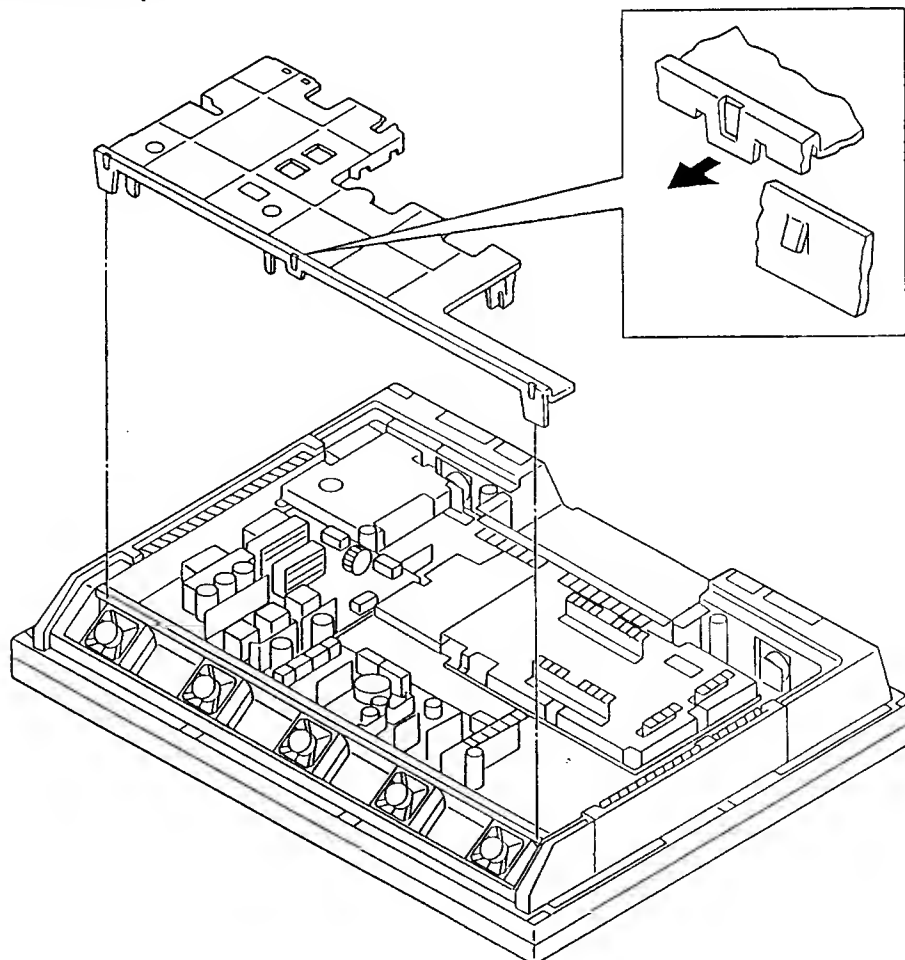
- A Remove the rear cover
- B Disconnect the three connectors
- C Remove three screws
- D Remove the PC card assy



## 8 Removing the cover power

- A Remove the rear cover
- B Remove three hooks
- C Remove the cover power

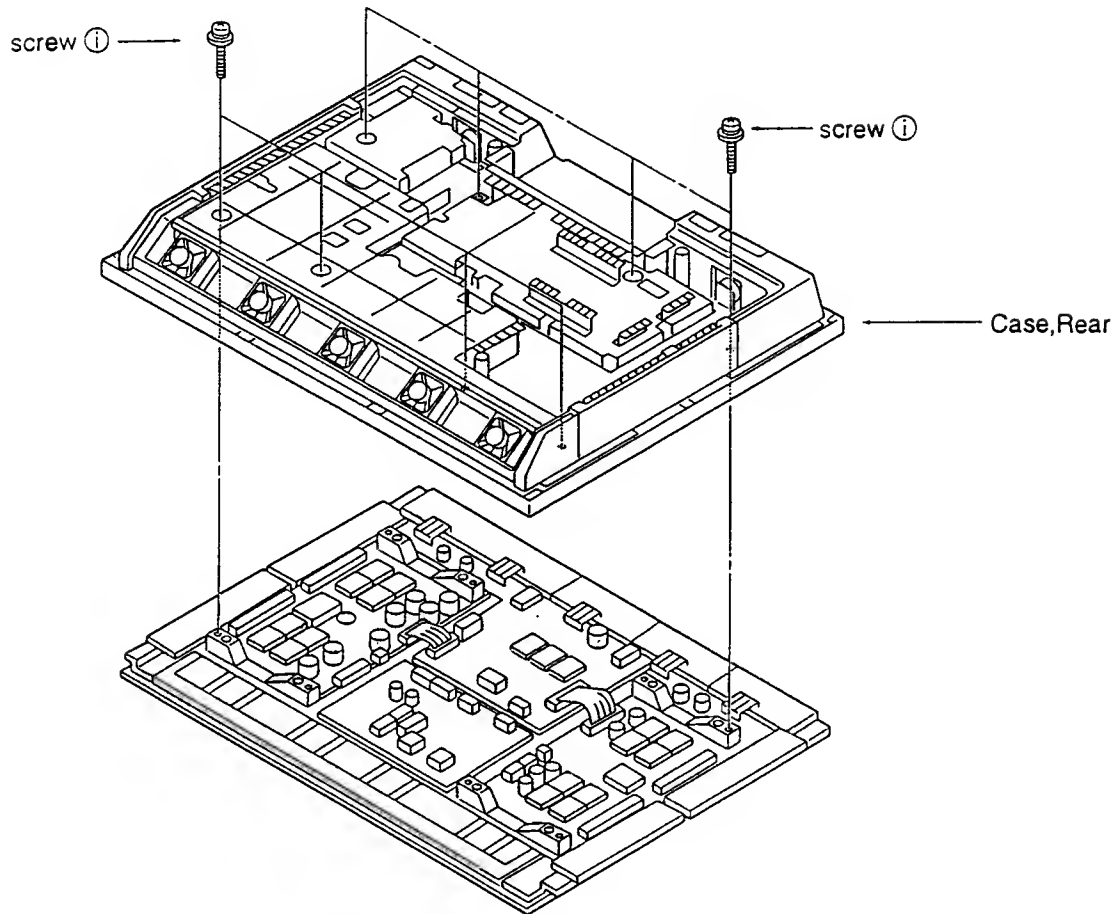
\*PDS4203/4 series only





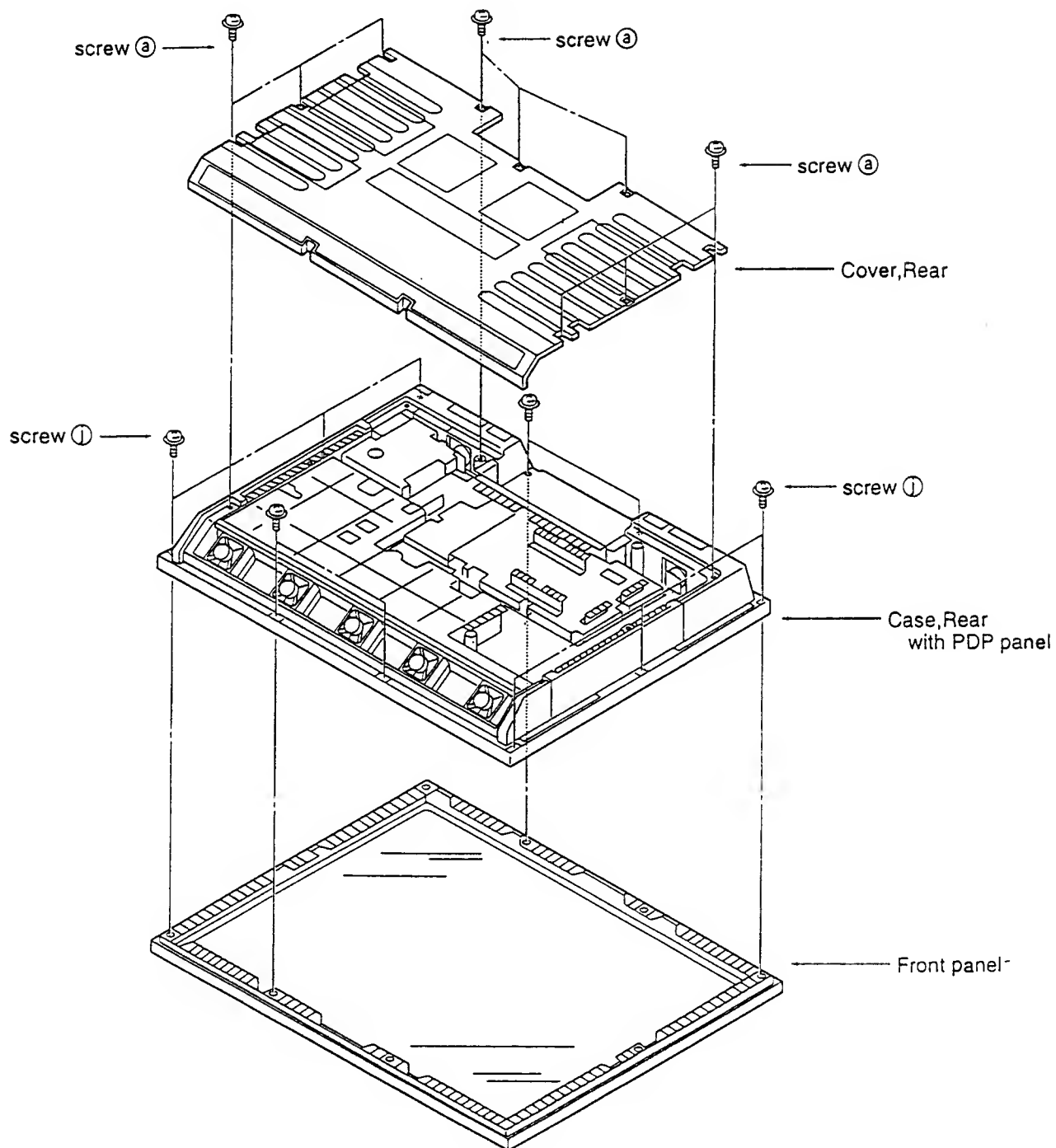
## 9. Removing the Case, Rear

- Ⓐ Remove the rear cover (removing instruction on a separate page).
- Ⓑ Remove screws ① at eight locations.
- Ⓒ Remove the rear case.



## 10. Removing the Front Panel

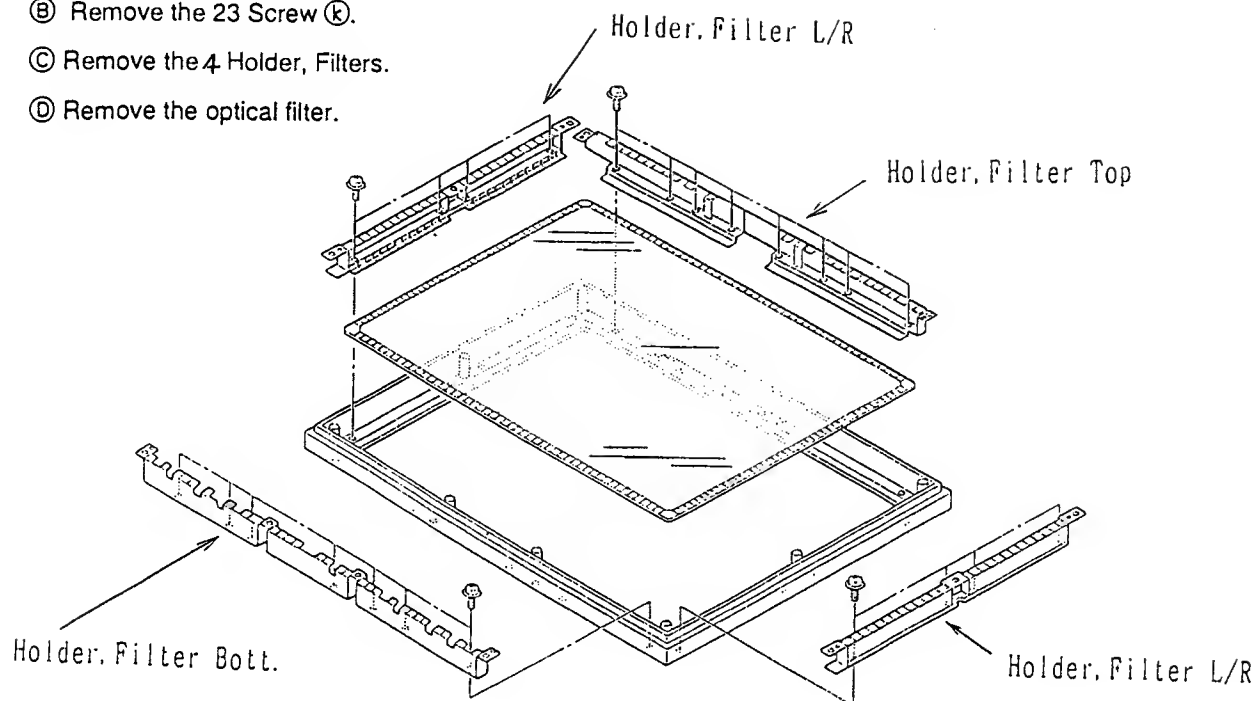
- Ⓐ Remove screws Ⓐ at nine locations.
- Ⓑ Remove the rear cover.
- Ⓒ Remove screws ① at ten locations.
- Ⓓ Remove the rear case.



## 11. Removing the Optical Filter

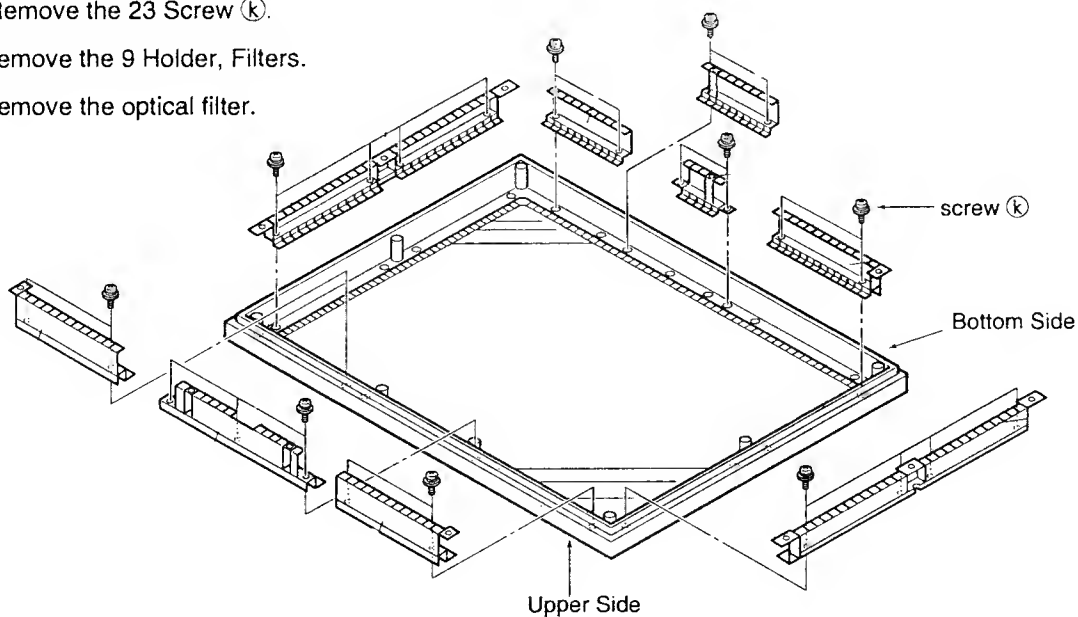
### 11.1 PDS4203/4 series only

- Ⓐ To remove the Front Panel, see page 41.
- Ⓑ Remove the 23 Screw Ⓚ.
- Ⓒ Remove the 4 Holder, Filters.
- Ⓓ Remove the optical filter.



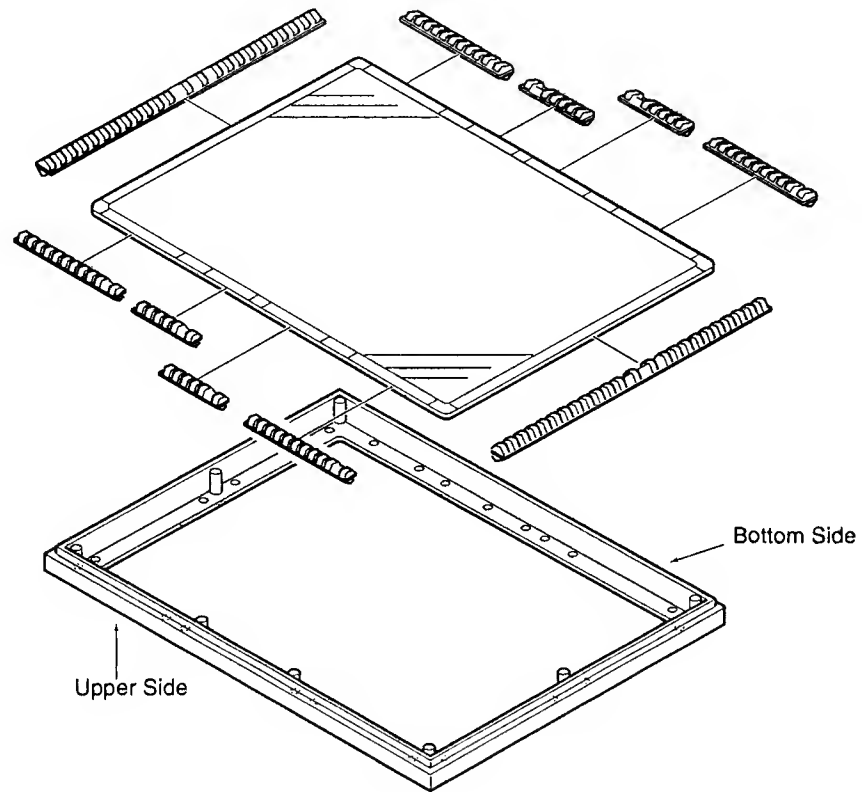
### 11.2 PDS4201 series only

- Ⓐ To remove the Front Panel, see page 41.
- Ⓑ Remove the 23 Screw Ⓚ.
- Ⓒ Remove the 9 Holder, Filters.
- Ⓓ Remove the optical filter.



## 12. Operating the Optical Filter

\*To replace the Optical Filter, remove the 10 Contact Springs from the failed Optical Filter and attach them to the new Optical Filter.



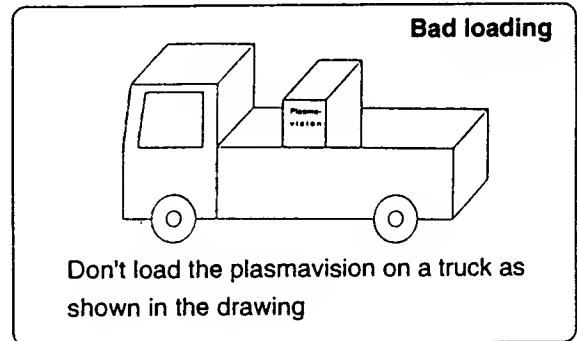
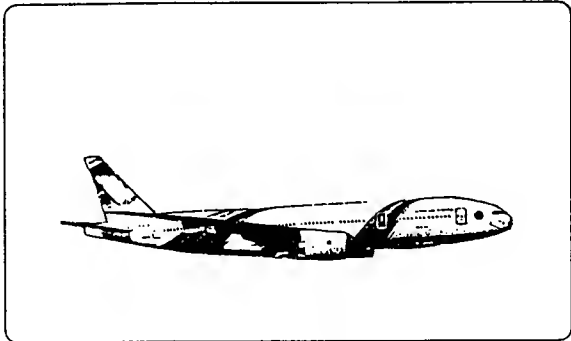
# Part list

| Ref. No. | Description                                    | PDS4201 series           | PDS4203W-H               | PDS4203E-H             | PDS4204W-H                         | PDS4204E-H                       |
|----------|--|--------------------------|--------------------------|------------------------|------------------------------------|----------------------------------|
| ①        | Rear Cover PDS4201U-H<br>Cover mesh            | 8107664002<br>8107269009 | 8106876000<br>—          | 8106875003<br>—        | 8107018003<br>—                    | 8107017006<br>—                  |
|          | Change PDS4201E-H<br>together Cover mesh       | 8107665009<br>8107269009 | —<br>—                   | —<br>—                 | —<br>—                             | —<br>—                           |
|          | with cover mesh 2pcs. PDS4201A-H<br>Cover mesh | 8107666006<br>8107269009 | —<br>—                   | —<br>—                 | —<br>—                             | —<br>—                           |
| ②        | Rear Case                                      | 8107931005               | 8107931005               | ↔                      | 8107933009                         | ↔                                |
|          | Key-SW H                                       | 8107903002               | —                        | —                      | —                                  | —                                |
|          | Change Shield F                                | 8105621007               | —                        | —                      | —                                  | —                                |
|          | together with key-SW holder and shield frame.  |                          |                          |                        |                                    |                                  |
| ③        | Signal PCB assy                                | —                        | 8106886016<br>With video | 8106802016<br>No video | 8106887013<br>With-video & PC card | 8106801019<br>No video W PC card |
|          | PDS4201U-H                                     | 8105753005               | —                        | —                      | —                                  | —                                |
|          | PDS4201E-H, PDS4201A-H                         | 8105756006               | —                        | —                      | —                                  | —                                |
| ④        | Power Supply Unit (PFW-421)                    | 8105423007               | ↔                        | ↔                      | ↔                                  | ↔                                |
| ⑤        | Speaker  | 8105954006               | ↔                        | ↔                      | ↔                                  | ↔                                |
| ⑥        | Speaker Holder                                 | 8105815017               | ↔                        | ↔                      | ↔                                  | ↔                                |
| ⑦        | Side Cover                                     | 8105653008               | ↔                        | ↔                      | ↔                                  | ↔                                |
| ⑧        | Fan Motor                                      | 8900131015               | 8900182017               | ↔                      | ↔                                  | ↔                                |
| ⑩        | PDP Panel                                      |                          |                          |                        |                                    |                                  |
|          | FPP42C10660UD-01                               | —                        | 8106902013               | ↔                      | ↔                                  | ↔                                |
|          | FPP42C10660UC-01                               | 8106902013               | —                        | —                      | —                                  | —                                |
| ⑪        | Front Case                                     | 8107039008               | 8107039008               | ↔                      | ↔                                  | ↔                                |
| ⑫        | Optical Filter                                 | 8105046060               | ↔                        | ↔                      | ↔                                  | ↔                                |
| ⑫        | Signal PCB Shield-Top                          | 8105625005               | 8107616001               | ↔                      | ↔                                  | ↔                                |
| ⑫        | Side Holder                                    | 8107581002               | ↔                        | ↔                      | ↔                                  | ↔                                |
| ⑫        | Power Cover                                    | 8105870009               | 8106778007               | ↔                      | ↔                                  | ↔                                |

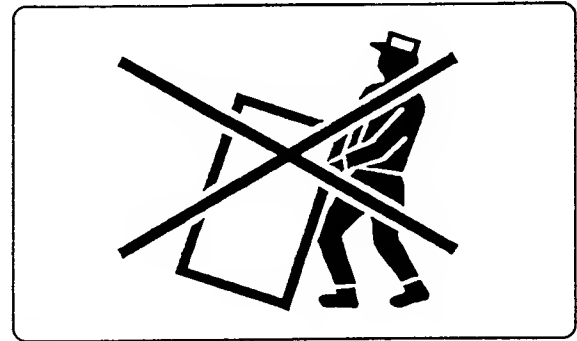
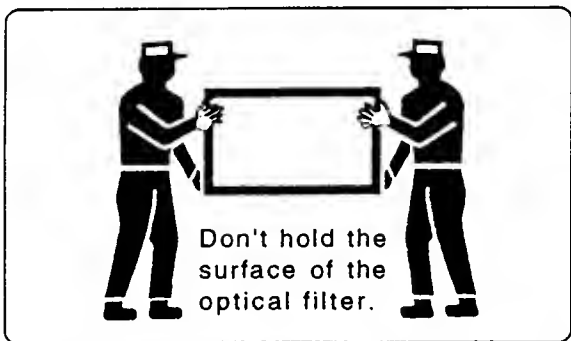
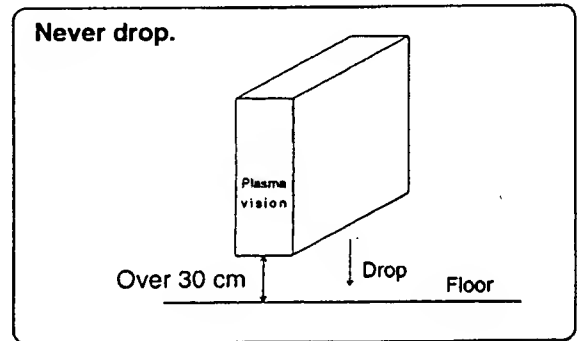
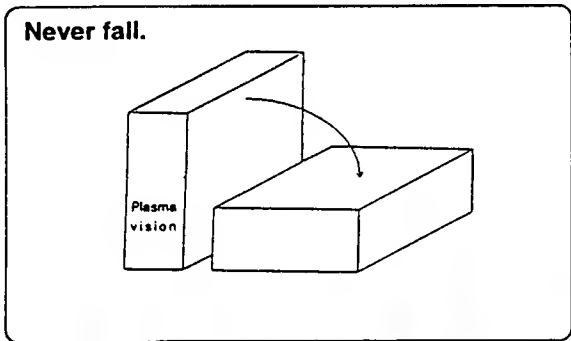
| Ref. No. | Description            | PDS4201<br>series | PDS4203W-H | PDS4203E-H | PDS4204W-H | PDS4204E-H |
|----------|------------------------|-------------------|------------|------------|------------|------------|
| ②④       | Rear Panel             | 8107048000        | 8107915005 | 8104606005 | 8107915005 | 8104606005 |
| ②⑤       | PC card I/F PCB assy   | —                 | —          | —          | 8106574012 | ↵          |
|          | Power Cord VDE         | 8105866002        | ↵          | ↵          | ↵          | ↵          |
|          | UL/CSA                 | 8105865005        | ↵          | —          | 8105865005 | —          |
|          | SAA                    | 8106228007        | ↵          | —          | 8106228007 | —          |
|          | Remote Control Unit    | 8105451017        | ↵          | ↵          | 8106508000 | ↵          |
| 54       | Carton box *Top        | —                 | 8107896007 | 8107897004 | 8107899008 | 8107900001 |
|          | PDS4201U-H             | 8105824040        | —          | —          | —          | —          |
|          | PDS4201E-H             | 8105824033        | —          | —          | —          | —          |
|          | PDS4201A-H             | 8105824057        | —          | —          | —          | —          |
| 53       | Carton box *Bottom     | 8106739008        | ↵          | ↵          | ↵          | ↵          |
| 55       | In-sheet               | 8106740004        | ↵          | ↵          | ↵          | ↵          |
| 50       | Pad top (2 pcs)        | 8107040004        | ↵          | ↵          | ↵          | ↵          |
| 51       | Pad bottom (2 pcs)     | 8107041001        | ↵          | ↵          | ↵          | ↵          |
| 52       | Pad center             | 8107042008        | ↵          | ↵          | ↵          | ↵          |
| 56       | Double carton box *Top | 8106494006        | ↵          | ↵          | ↵          | ↵          |
| 60       | Double carton box *Bot | 8106495003        | ↵          | ↵          | ↵          | ↵          |
| 59       | Pad center T&B DOUBLE  | 8106493009        | ↵          | ↵          | ↵          | ↵          |
| 57       | Pad corner top DOUBLE  | 8106313000        | ↵          | ↵          | ↵          | ↵          |
| 58       | Pad corner bott DOUBLE | 8106220001        | ↵          | ↵          | ↵          | ↵          |

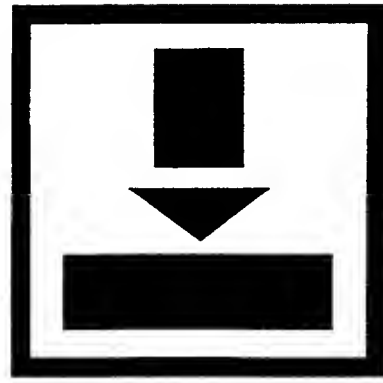
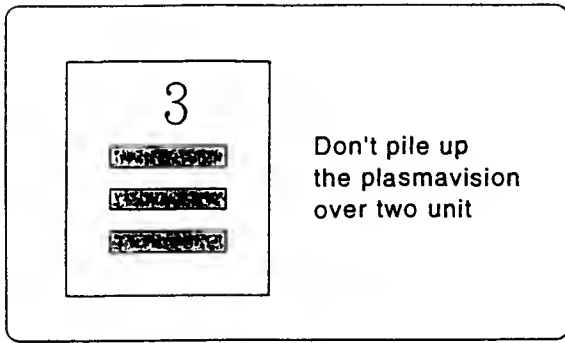
# PROHIBITED MATTERS ON TRANSPORTATION AND HANDLING

## Transportation



## Handling





## Good sample on transportaion and handling

